

HIGH PERFORMANCE DOORS



Optional RAL color shown. Optional hood shown.

Speed-Guardian™ 5000

High performance / speed doors

Diverse rigid door models for various industries and applications



Speed-Guardian™ 4000 U Updated to Speed-Guardian™ 5000 U

Enhanced thermal efficiency and 15 percent more visibility



Exciting product improvements with Speed-Guardian™ 5000

More efficient slat design for additional energy savings

The Speed-Guardian™ 5000 models are equipped with 10" overall height x 1-5/8" thick (42 mm) panel slats and improved thermal breaks for greater energy efficiency. Vision slats also include the improved thermal breaks, and our exclusive Duratec® protective coating is still standard. The taller 10" slat dimension, as compared to the 9" high panel slat on the Model 4000, provides 15% more visibility (Model 5000 has 6.5" of the 10" high slat clear. Model 4000 had 5.75" of the 9" high slat clear) as well as additional vertical stability, making it possible to reduce the number of vertical mullions on vision slats.

NEMA 4X Smart Start™ NXT control box is standard*

All 5000 models now include our Smart Start™ NXT, next generation, NEMA 4X, control box as standard and without a price increase. The updated control box has a simplified wiring configuration and is more powerful, has fewer components and cables as compared to the original Smart Start™. A distribution block accepts the activation and protection device wiring; main power cables feed through pre-drilled holes on the bottom of the box where the individual wires, with pre-wired removable terminal blocks, simply plug into the circuit board. Additional parts are no longer required for voltage changes in the field, and 24 v DC power is now used for the brake rectifier. There are extra ports on the control board allowing for firmware upgrades and future expansion. A USB port is included for maintenance monitoring.

Insulated vision slats with exclusive Duratec® protective coating also available with privacy tint

All 5000 models have optional tinted / privacy vision slats available: Obscured White or Smoke Gray. Perforated vision slats are also optional. An advanced window design allows for individual replacement without having to dis-assemble the entire panel. Only available from Hörmann, our vision slats are coated with a special Duratec® coating which prevents marks and scratches and retain clear view after many cleanings. Both the double-pane (1-5/8" thick slat) and triple-pane (2-5/8" thick slat) vision slats provide excellent insulation.

High lift track model has 2-5/8" thick slats

The Speed-Guardian™ 5000 H67, our high-lift track model, has been updated with 15" high x 2-5/8" (67 mm) thick slats. Updated thermal breaks are included. Optional vision slats are triple-pane with standard Duratec® protective coating. With this track configuration, the panel is guided inside higher than usual vertical tracks to the point where there is enough space for the horizontal track to run. This flexible design, the door may be installed behind or above supply lines, crane tracks or support beams.

Speed-Guardian™ 5000 models

- 5000 U 42: Up to 21'4" w x 21'4" h (Opening widths from 21'4" to 23'0" consult factory)
- 5000 CV 42 (complete view): Up to 18'0" w x 12'0" h
- 5000 LH 42 (low headroom): Up to 16'0" w x 21'0" h
- 5000 LP 42 (low profile): Up to 12'0" w x 14'0" h
- 5000 H 67 (high lift): Up to 16'0" w x 21'0" h

*Effective April 1, 2017



Speed-Guardian™ 4000



Speed-Guardian™ 5000



Speed-Guardian™ 5000 H67

The Speed-Guardian™ 5000 Updated Design and Technology

A cutting edge door solution for diverse applications and the best warranty in the industry



Government, Banks, Parking Garages

Government buildings and bank centers require a door that creates an effective barrier to protect against theft and unauthorized entry. The Speed-Guardian™ 5000 secures the building with an insulated door panel made of hot-dipped galvanized steel, which provides a durable and lasting surface. Double-pane windows provide superior insulation and protection from breakage, and ventilation slats are available to allow for air circulation into the building while the door is closed for security.

In condominiums and parking garages where operational dependability is critical, the fast operating speed of the 5000 and built-in guide track light grid reduce the chance of impact and damage to the door, preventing downtime, assuring that visitors are able to enter and exit freely.

Retail Automotive

Specified for service entrance / exit door openings, in both new construction and renovation projects, owners of automotive retail facilities are incorporating the Speed-Guardian™ 5000 into building designs for added aesthetic appeal. The complete vision (CV) panel is the model of choice, for maximum visibility through the door and for the pleasing aesthetic appeal. The standard light grid is integral with the guide tracks making it less susceptible to damage. 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. Two hurricane rated models are available.

Fire Stations and Emergency Service

Fire stations and emergency service facilities need their doors to open as fast as possible to allow for the exit of emergency vehicles. The Speed-Guardian™ 5000 opens at a speed of 80" / second; a 12'0" high door will open in four to five seconds. The compact guide tracks enable the 5000 to fit into existing building dimensions, whether in renovation or new construction, as opposed to bi-folding doors which require more side room clearance and may require enlarging the overall size of the building.

Exclusive 5 / 2 / 7 Warranty

Our warranty is the best in the industry: The motor / gearbox (excludes catch system) is guaranteed against defects in materials / workmanship for 5 years. All other mechanical and electrical components are warranted against defects for 2 years. The vision slats have a 7 year warranty against failure.

The Speed-Guardian™ 4000 will be discontinued June 1, 2017. Only the Speed-Guardian™ 4000 A Acoustic and Speed-Guardian™ 4000 HR Hurricane models will continue to be available after June 1, 2017.



Speed-Guardian™ 5000 U 42

Non-contact roll-up technology



Optional RAL color shown

Speed-Guardian™ 5000 CV 42 Complete View

Complete view for maximum visibility and aesthetic appeal



Superior R-Value and U-Value

The 10" high x 1-5/8" thick panel slats are made of hot-dipped galvanized steel with a urethane foam core, and have an R-value of 13.6. The 5000's solid sections provide the most efficient U-value available today (1.04 core only) as compared to competitive models.

Easy to repair

Unique panel connectors make it possible for individual sections to be quickly and easily replaced without dis-assembling the entire panel, minimizing downtime and repair costs.

Double-pane insulated clear or tinted vision slats

All 5000 models are available with optional clear, perforated or tinted vision slats. 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.



Vision options: Clear or ventilated, Tinted: Smoke Gray (above) or Obscured White.

Application	Interior or exterior.	
Size range	Up to 21'4" w x 21'4" h**	
Roll-up technology	Circular guide brackets.	
Operating speed	Opening Up to 80" / sec.	Closing Up to 20" / sec.
Breakaway	No.	
Panel	<p>10" high x 1-5/8" (42 mm) thick panel slats made of hot-dipped galvanized steel with a urethane foam core and R-value of 13.6 (U-value 1.04).</p> <p>Standard color: RAL 9006 on both the exterior/interior. Exterior surface is Micrograin™, the interior finish is stucco-textured.</p> <p>Colors: Optional wet paint process available. Dark colors not recommended for doors that will be exposed to direct sun. Powder coating is unavailable.</p> <p>Vision: Optional vision slats, 10" high x full-width, double-pane. A Duratec® synthetic glazing enables the windows to retain clear view even after many cleanings and with heavy use. Optional: Perforated ventilation slats. Optional: Tinted vision slats in Obscured White or Smoke Gray.</p>	
Mullions	Up to 120" wide, none /121" to 197" wide, (1) 198" to 255" wide, (2).	
Safety device	8'0" high light grid built into guide tracks.	
Control	*NEMA 4X Smart Start™ NXT, 208 to 575 v / 3-phase / 60 Hz.	
Emergency	Chain hoist.	



All colors on RAL chart available

*Effective April 1, 2017 **Opening widths from 21'4" to 23'0" consult factory.

Complete vision (CV) model

The CV model is a complete panel of vision slats that allows more light into the building and more visibility from inside to outside. The attractive design is a popular choice of automotive retail facilities for its aesthetic appeal and security. The tall 10" slat height dimension, provides 15% more visibility as compared to the 4000 as well as additional vertical stability making it possible to reduce the number of vertical mullions we use on vision slats.

Double-pane insulated windows with exclusive Duratec® coating

All 5000 models are available with optional clear, perforated or tinted vision slats. The tinted slats are a perfect choice for applications where filtered light is required within the interior side, but privacy from the outside to inside view is desired. Either way, the clear or tinted, double-pane, insulated vision slats are coated with our exclusive Duratec® finish which prevents marks and scratches and retain clear view after many cleanings. The double panes provide excellent insulation.



Tinted vision options: Anodized Bronze or Obscured White.



NEMA 4X Smart Start™ NTX control box is standard.

Application	Interior or exterior.	
Size range	Up to 18'0" w x 12'0" h	
Roll-up technology	Circular guide brackets.	
Operating speed	Opening Up to 80" / sec.	Closing Up to 20" / sec.
Breakaway	No.	
Panel	<p>10" high x 1-5/8" (42 mm) thick panel slats made of hot-dipped galvanized steel with a urethane foam core and R-value of 13.6 (U-value 1.04).</p> <p>Standard color: RAL 9006 on both the exterior / interior. Exterior surface is Micrograin™, the interior finish is stucco-textured.</p> <p>Colors: Optional wet paint process available. Dark colors not recommended for doors that will be exposed to direct sun. Powder coating is unavailable.</p> <p>Vision: Optional vision slats, 10" high x full-width, double-pane. A Duratec® synthetic glazing enables the windows to retain clear view even after many cleanings and with heavy use. Optional: Perforated ventilation slats. Optional: Tinted vision slats in Obscured White or Smoke Gray.</p>	
Mullions	Up to 120" wide, none /121" to 197" wide, (1) 198" to 255" wide, (2).	
Safety device	8'0" high light grid built into guide tracks.	
Control	*NEMA 4X Smart Start™ NXT, 208 to 575 v / 3-phase / 60 Hz.	
Emergency	Chain hoist.	



All colors on RAL chart available

*Effective April 1, 2017

Speed-Guardian™ 5000 LP 42 Low Profile

For areas with limited side room clearances



Low profile (LP) model fits into areas with limited side room
Requiring only 8" of clearance for the guide tracks on each side of the door opening, the LP model is a springless design that fits into applications where there is little additional space around the opening.



Low-profile, springless tracks contain panel reversing light grid

NEMA 4X Smart Start™ NXT control box is standard*

All 5000 models now include our Smart Start™ NXT, next generation, NEMA 4X, control box as standard and without a price increase. The updated control box has a simplified wiring configuration, is more powerful, and has fewer components and cables as compared to the original Smart Start™. A distribution block accepts the activation and protection device wiring; main power cables feed through pre-drilled holes on the bottom of the box where the individual wires, with pre-wired removable terminal blocks, simply plug into the circuit board. There are extra ports on the control board allowing for firmware upgrades and future expansion.



NEMA 4X Smart Start™ NTX control box is standard.

Application	Interior or exterior.	
Size range	Up to 12'0" w x 14'0" h	
Roll-up technology	Low profile with circular guide brackets.	
Operating speed	Opening Up to 36" / sec.	Closing Up to 20" / sec.
Breakaway	No.	
Panel	10" high x 1-5/8" (42 mm) thick panel slats made of hot-dipped galvanized steel with a urethane foam core and R-value of 13.6 (U-value 1.04). Standard color: RAL 9006 on both the exterior / interior. The exterior surface is Micrograin™, the interior finish is stucco-textured. Colors: Optional wet paint process available. Dark colors not recommended for doors that will be exposed to direct sun. Powder coating is unavailable. Vision: Optional vision sections, 10" high x full-width, double pane. A Duratec® synthetic glazing enables the windows to retain clear view even after many cleanings and with heavy use. Optional: Perforated ventilation slats. Optional: Tinted vision slats in Obscured White or Smoke Gray.	
 All colors on RAL chart available		
Mullions	Up to 120" wide, none /121" to 197" wide, (1)	
Safety device	8'0" high light grid built into guide tracks.	
Control	*NEMA 4X Smart Start™ NXT, 208 to 575 v / 3-phase / 60 Hz.	
Emergency	Chain hoist.	

*Effective April 1, 2017

Speed-Guardian™ 5000 LH 42 Low Head Room

For areas with limited head room clearance



Low headroom (LH) model fits into areas with limited headroom
Requiring only 20" of clearance, the LH model fits into applications where there is limited headroom. A chain mechanism with spring compensation runs the panel into horizontal tracks.



Low headroom (LH) model fits into applications with limited headroom.

Light grid integral with guide tracks

The standard light grid 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.



Built-in vehicle protection light grid for added protection in the doorway.

Application	Interior or exterior.	
Size range	Up to 16'0" w x 21'0" h	
Roll-up technology	Low headroom with horizontal track assembly.	
Operating speed	Opening Up to 80" / sec.	Closing Up to 20" / sec.
Breakaway	No.	
Panel	10" high x 1-5/8" (42 mm) thick panel slats made of hot-dipped galvanized steel with a urethane foam core and R-value of 13.6 (U-value 1.04). Standard color: RAL 9006 on both the exterior / interior. The exterior surface is Micrograin™ the interior finish is stucco-textured. Colors: Optional wet paint process available. Dark colors not recommended for doors that will be exposed to direct sun. Powder coating is unavailable. Vision: Optional vision sections, 10" high x full-width, double pane. A Duratec® synthetic glazing enables the windows to retain clear view even after many cleanings and with heavy use. Optional: Perforated ventilation slats. Optional: Tinted vision slats in Obscured White or Smoke Gray.	
 All colors on RAL chart available		
Mullions	Up to 120" wide, none /121" to 197" wide, (1)	
Safety device	8'0" high light grid built into guide tracks.	
Control	*NEMA 4X Smart Start™ NXT, 208 to 575 v / 3-phase / 60 Hz.	
Emergency	Chain hoist.	

*Effective April 1, 2017

Speed-Guardian™ 5000 H 67 High-Lift Track

High-lift track application with counter weights instead of springs (2-5/8" thick slats)



Speed-Guardian™ 5000 H 42 High-Lift Track

High-lift track application with counter weights instead of springs (1-5/8" thick slats)



For applications with obstructions around the door opening

The panel is guided inside higher than usual vertical tracks to the point where there is enough space for the horizontal track to run. This flexible mounting design allows the door to be installed behind or above supply lines, crane tracks or support beams. Thanks to the belt mechanism with counter weights, the door is especially low-wear and long-lasting.



Adjustable high lift track application fits around beams and supply lines.

Triple-pane windows with exclusive Duratec® protective finish

All 5000 models are available with optional clear or tinted vision slats. The tinted slats are a perfect choice for applications where filtered light is required within the interior side, but privacy from the outside to inside view is desired. Either way, the clear, perforated or tinted, triple-pane, insulated vision slats on the Model 5000 H67, are coated with our exclusive Duratec® finish which prevents marks and scratches and retain clear view after many cleanings.



Triple-pane vision slats are highly insulated for energy efficiency.

Application	Interior or exterior.	
Size range	Up to 16'0" w x 21'0" h	
Roll-up technology	High-lift guide tracks.	
Operating speed	Opening Up to 80" / sec.	Closing Up to 20" / sec.
Breakaway	No.	
Panel	15" high x 2-5/8" (67 mm) thick panel slats made of hot-dipped galvanized steel with a urethane foam core and R-value of 17.5. (U-value 1.04). Standard color: RAL 9006 on both the exterior/interior. Exterior surface is Micrograin™, the interior finish is stucco-textured. Colors: Optional wet paint process available. Dark colors not recommended for doors that will be exposed to direct sun. Powder coating is unavailable. Vision: Optional vision sections, 15" high x full-width, triple-pane. A Duratec® synthetic glazing enables the windows to retain clear view even after many cleanings and with heavy use. Optional: Perforated vision slats. Optional: Tinted vision slats in Obscured White or Smoke Gray.	
Mullions	Up to 120" wide, none /121" to 197" wide, (1)	
Safety device	8'0" high light grid built into guide tracks.	
Control	*NEMA 4X Smart Start™ NXT, 208 to 575 v / 3-phase / 60 Hz.	
Emergency	Chain hoist.	

*Effective April 1, 2017

For applications with obstructions around the door opening

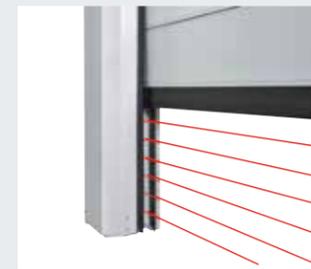
The panel is guided inside higher than usual vertical tracks to the point where there is enough space for the horizontal track to run. This flexible mounting design allows the door to be installed behind or above supply lines, crane tracks or support beams. Thanks to the belt mechanism with counter weights, the door is especially low-wear and long-lasting.



Adjustable high lift track application fits around beams and supply lines.

Non-contact built-in light grid

The standard light grid 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.



Built-in vehicle protection light grid for added protection in the doorway.

*The Speed-Guardian™ 5000 H 42 door is a special order product. Consult factory.

Application	Interior or exterior.	
Size range	Up to 21'4" w x 21'4" h	
Roll-up technology	High-lift guide tracks.	
Operating speed	Opening Up to 80" / sec.	Closing Up to 20" / sec.
Breakaway	No.	
Panel	9" high x 1-5/8" (42 mm) thick panel slats made of hot-dipped galvanized steel with a urethane foam core and R-value of 13.6. (U-value ≤ 0.5). Standard color: RAL 9006 on both the exterior/interior. Exterior surface is Micrograin™, the interior finish is stucco-textured. Colors: Optional wet paint process available. Dark colors not recommended for doors that will be exposed to direct sun. Powder coating is unavailable. Vision: Optional vision sections, 9" high x full-width, double-pane. A Duratec® synthetic glazing enables the windows to retain clear view even after many cleanings and with heavy use. Optional: Perforated vision slats. Optional: Tinted vision slats in Obscured White or Smoke Gray.	
Mullions	Up to 120" wide, none /121" to 197" wide, (1) 198" to 255" wide, (2).	
Safety device	8'0" high light grid built into guide tracks.	
Control	*NEMA 4X Smart Start™ NXT, 208 to 575 v / 3-phase / 60 Hz.	
Emergency	Chain hoist.	

*Effective April 1, 2017

Speed-Guardian™ 5000 V 42 Vertical-Lift

Vertical-lift track application with counter weights instead of springs



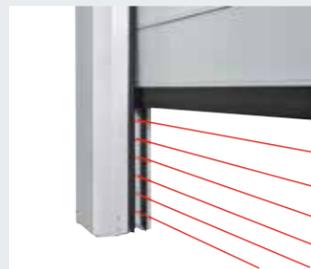
***Speed-Guardian™ 5000 V 42 Vertical-Lift**
For quiet operation and a streamline appearance
 The door panel runs on the face of the wall, vertically above the door opening. Operation is very quiet and wear-free. The belt mechanism with counter weights guarantees a long service life with constant use.

Non-contact built-in light grid
 The standard light grid 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.

**The Speed-Guardian™ 5000 V 42 door is a special order product. Consult factory.*



Speed-Guardian™ 5000 V - For quiet operation and streamline appearance.



Built-in light grid for added protection in the doorway.

Application	Interior or exterior.	
Size range	Up to 21'4" w x 21'4" h.	
Roll-up technology	Vertical track assembly.	
Operating speed	Opening Up to 80" / sec.	Closing Up to 20" / sec.
BreakAway	No.	
Panel	1-5/8" (42 mm) thick panel sections made of hot-dipped galvanized steel with a urethane foam core and R-value of 13.6 (U-value ≤ 0.5).	
 All colors on RAL chart available	Standard color: RAL 9006 on both the exterior / interior. The exterior surface is Micrograin™, the interior finish is stucco-textured.	
	Colors: Optional wet paint process available. Dark colors not recommended for doors that will be exposed to direct sun. Power coating is unavailable.	
	Vision: Optional vision sections, 15" high x full-width, triple-pane. A Duratec® synthetic glazing enables the windows to retain clear view even after many cleanings and with heavy use. Optional: Perforated vision slats. Optional: Tinted vision slats in Obscured White or Smoke Gray.	
Safety device	8'0" high light grid built into guide tracks.	
Control	*NEMA 4X Smart Start™ NXT, 208 to 575 v / 3-phase / 60 Hz.	
Emergency	Chain hoist.	

*Effective April 1, 2017

Speed-Guardian™ 4000 A Acoustic

Maximum insulation for the ultimate in sound and energy control



***Speed-Guardian™ 4000 A**
Acoustic-rated solution
 The 1-5/8" thick panel sections are made of anodized aluminum with a urethane foam core. Aluminum hollow profiles offer acoustic insulation up to 31 dB. The Speed-Guardian™ 4000 A is an effective solution for controlling sound infiltration in interior or exterior locations where noise control is desired.

Combine with any track design
 The Speed-Guardian™ 4000 A acoustic panel may be used with any of our four track designs for ultimate flexibility in applications with special clearance needs. See pages 14-15 for details on track options.

**The Speed-Guardian™ 4000 A Acoustic door is a special order product. Consult factory.*



Speed-Guardian™ 4000 A - Aluminum hollow profiles for acoustic insulation up to -31 dB.



The acoustic panel may be combined with any track design. (High-lift shown.)

Application	Interior or exterior.	
Size range	Up to 16'0" w x 16'0" h	
Roll-up technology	Available with circular guide brackets, LH, H and V.	
Operating speed	Opening Up to 80" / sec.	Closing Up to 20" / sec.
Breakaway	No.	
Panel	1-5/8" (42 mm) thick panel sections made of anodized aluminum construction with a urethane foam core. Acoustic insulation has a rating of 31 dB.	
 All colors on RAL chart available	Standard color: RAL 9006 on both the exterior / interior. Exterior surface is Micrograin™, the interior finish is stucco-textured.	
	Colors: Optional wet paint process available. Dark colors not recommended for doors that will be exposed to direct sun. Powder coating is unavailable.	
	Vision: Not applicable.	
Safety device	8'0" high light grid built into guide tracks.	
Control	*NEMA 4X Smart Start™ NXT, 208 to 575 v / 3-phase / 60 Hz.	
Emergency	Chain hoist.	

*Effective April 1, 2017

Speed-Guardian™ Hurricane Rated

Two models available to satisfy two rating classifications



Optional two door solution shown

Satisfy hurricane protection requirements

Two Speed-Guardian™ configurations meet either Class 3 or Class 5 hurricane ratings required in specific areas of the country.

Class 3 rated door solution (HR)

The Speed-Guardian™ 4000 HR with a solid panel is approved for use in areas that require a Class 3 hurricane rated door. The attractive 1-5/8" thick door panel made of uninsulated anodized aluminum construction, provides a durable and lasting surface.



Class 3 rated door panel is a solid panel without vision slats.

Class 5 rated two door solution (CV-TD-HR)

The Speed-Guardian™ 5000 CV42 model is a complete panel of vision slats that allows more light into the building and more visibility from inside to outside. The attractive design is a popular choice of automotive retail facilities for its aesthetic appeal and security, however, no all-vision door can meet hurricane standards required in certain areas. The two door solution combines our Speed-Guardian™ 5000 CV 42 with a tandem solid shutter door and meets Class 5.



Class 5 door solution combines Model CV with tandem shutter door.

Application	Interior or exterior.	
Size range	4000 HR: Up to 12'0" w x 16'0" h 5000 CV 42-TD-HR: Consult factory.	
Roll-up technology	HR: Circular guide brackets. CV 42-TD-HR: Circular guide brackets and solid shutter door.	
Operating speed	Opening Up to 80" / sec.	Closing Up to 20" / sec.
Breakaway	No.	
Panel	<p>Model 4000 HR (Class 3): All solid slats, 9" high x 1-5/8" (42 mm) thick panel sections made of anodized aluminum construction.</p> <p>Standard color: RAL 9006 on both the exterior / interior. The exterior surface is Micrograin™, the interior finish is stucco-textured.</p> <p>Colors: Optional wet paint process available. Dark colors not recommended for doors that will be exposed to direct sun. Powder coating is unavailable. Vision: Not applicable.</p> <p>Model 5000 CV 42-TD-HR (Class 5): All clear slats, 10" high x full-width. Top and bottom slats are 1-5/8" thick hot-dipped galvanized steel with urethane core. A Duratec® synthetic glazing enables the windows to retain clear view after many cleanings. Tandem solid shutter door closes when weather requires Class 5 hurricane protection.</p>	
Safety device	8'0" high light grid built into guide tracks.	
Control	*NEMA 4X Smart Start™ NXT, 208 to 575 v / 3-phase / 60 Hz.	
Emergency	Chain hoist.	

*Effective April 1, 2017



All colors on RAL chart available

Application - Automotive Retail

Attractive appearance and thermal qualities for a progressive and energy efficient facility



Optional RAL color shown

For applications that demand aesthetic appeal

Its sleek appearance is one reason why the Speed-Guardian™ 5000 is a number one choice for service doors at automotive retail locations. Employees working in the area of the door opening will appreciate its thermal qualities and fast operating speed.

Non-contact roll-up technology

The sections are guided in a circular bracket for fast opening speeds and precise door travel. Thanks to non-contact roll-up technology, there is no wear on the door sections, which helps the door maintain its clean appearance. The standard frequency converter control takes stress off the entire door mechanism, extending the service life of the door.

Vehicle protection built-in light grid

The standard light grid 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.



Vision options: Clear or ventilated, Tinted: Smoke Gray (above) or Obscured White.



Built-in vehicle protection light grid for added protection in the doorway.

Superior R-Value and U-Value

The 1-5/8" thick panel sections made of hot-dipped galvanized steel with a urethane foam core, have an R-value of 13.6. R-value refers just to the panel's resistance to energy loss. U-value is an internationally recognized measurement tool that provides data about the energy flow lost through the total panel construction including the panel, seals, windows, etc. The 5000's solid sections provide the most efficient U-value available today as compared to competitive models.

Duratec® insulated windows

The Duratec® insulated windows are coated with a special finish which prevents marks and scratches and the windows retain clear view after many cleanings. Competitive brands turn cloudy and become difficult to see through. The double panes provide excellent insulation and are completely transparent. Optional perforated or tinted vision slats are available, and the tinted slats are a perfect choice for areas where filtered light is required within the interior side, but privacy from the outside to inside view is desired. Double-wall aluminum perforated slats are a smart choice when ventilation is required, without sacrificing security.

Application - Emergency Service

Fast and reliable for efficient exiting of emergency vehicles



Government - Banks - Parking Garages

A protective barrier against theft and unauthorized entry



For building renovation or new construction

The Speed-Guardian™ 5000, with its low-profile guide tracks and design, fits into existing building renovation or new construction plans. In some cases, greater clearance requirements of competitive models require that the building is enlarged to accommodate the doors, adding to the overall cost of the renovation or construction.



Low-profile design fits into existing building dimensions.

Non-contact roll-up technology

The sections are guided in a circular bracket for fast opening speeds and precise door travel. Thanks to non-contact roll-up technology, there is no wear on the door sections, which helps the door maintain its clean appearance. The standard frequency converter control takes stress off the entire door mechanism, extending the service life of the door.

Fast operating speed for quick exits

With an opening speed of 80" / second, a 14'0" wide x 14'0" high door opens in less than three seconds, allowing for the quick exit of emergency vehicles.

Hurricane rated solutions

Two hurricane rated door solutions are available for areas of the country that require it. See page 9 for details.



Insulated windows with thermal breaks maintain a quiet workplace.

Superior R-Value and U-Value

The 10" high x 1-5/8" thick panel sections made of hot-dipped galvanized steel with a urethane foam core, have an R-value of 13.6. R-value refers just to the panel's resistance to energy loss. U-value is an internationally recognized measurement tool that provides data about the energy flow lost through the total panel construction including the panel, seals, windows, etc. The 5000's solid sections provide the most efficient U-value available today as compared to competitive models.

Double-pane insulated windows with exclusive Duratec® coating

All 5000 models are available with optional clear, perforated or tinted vision slats. The tinted slats are a perfect choice for applications where filtered light is required within the interior side, but privacy from the outside to inside view is desired. Either way, the clear or tinted, double-pane, insulated vision slats are coated with our exclusive Duratec® finish which prevents marks and scratches and retain clear view after many cleanings. Advanced thermal breaks (shown in center photo in red), along with additional seals, improve thermal insulation by up to 15 percent.

Accessibility into building is critical

In condominiums and parking garages where operational dependability is critical, the fast operating speed of the 5000 and built-in guide light grid reduce the chance of impact and damage to the door, preventing downtime, assuring that visitors are able to enter and exit freely. Government buildings and bank centers require a door like the 5000 that creates an effective barrier to protect against theft and unauthorized entry.

Easy to repair

In case of damage, unique panel connectors make it possible for individual sections to be quickly and easily replaced. This design minimizes maintenance, downtime and repair costs.

Non-contact built-in light grid

The standard light grid 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. When a light beam is interrupted, the door automatically opens to avoid contact with the passing load. This system protects people and vehicles near the door opening and drastically reduces the likelihood of damage, saving on maintenance costs.



Duratec® coating allows for regular cleaning without scratching.



Ventilation slats allow ventilation without compromising security.

Superior R-Value and U-Value

Speed-Guardian™ 5000 secures the building with 10" high x 1-5/8" thick panel sections made of hot-dipped galvanized steel with a urethane foam core, have an R-value of 13.6. R-value refers just to the panel's resistance to energy loss. U-value is an internationally recognized measurement tool that provides data about the energy flow lost through the total panel construction including the panel, seals, windows, etc. The 5000's solid sections provide the most efficient U-value available today as compared to competitive models.

Double-pane insulated windows with exclusive Duratec® coating

All 5000 models are available with optional clear, perforated or tinted vision slats. The tinted slats are a perfect choice for applications where filtered light is required within the interior side, but privacy from the outside to inside view is desired. Either way, the clear or tinted, double-pane, insulated vision slats are coated with our exclusive Duratec® finish which prevents marks and scratches and retain clear view after many cleanings. The double panes provide excellent insulation and are completely transparent.

Optional perforated ventilation slats

Exclusive double-wall aluminum ventilation slats are a desirable choice when ventilation is required, without sacrificing security.

Standard at Hörmann High Performance Doors

Intelligent operator and control technology

Reliable thanks to innovative equipment

Hörmann high-speed doors are up to 20 times faster than conventional industrial doors which is why the intelligent operator and control technology is designed for reliable continuous operation. The next generation Smart Start™ NXT, NEMA 4X, control box has a simplified wiring configuration and is more powerful, has fewer components and cables as compared to the original Smart Start™. A color-coded distribution block accepts the activation and protection device wiring; main power cables feed through pre-drilled holes on the bottom of the box where the individual wires, with pre-wired removable terminal blocks, simply plug into the circuit board. Additional parts are no longer required for voltage changes in the field, and 24 v DC power is now used for the brake rectifier. There are extra ports on the control board allowing for firmware upgrades and future expansion. A USB port is included for maintenance monitoring.

Smart Start™ NXT* NEMA 4X control box



Standard at Hörmann:

Color-coded plug-in control wiring

Connection of accessory components and protection devices is made easy with color-coded plug-in connections and connection cables.

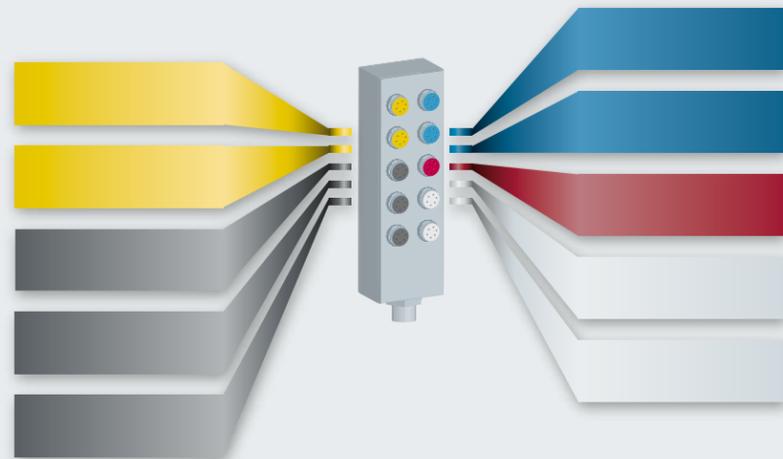
Door cycle counter

Operation time monitoring

Automatic timer (adjustable hold-open phase)

Error display / diagnosis

Service operation setting



- | | | | |
|---|-----------------------------------|---|-----------------------------------|
|  | Speed-Guardian™ protection device |  | Speed-Guardian™ protection device |
|  | Speed-Guardian™ protection device |  | Speed-Guardian™ protection device |
|  | Activation 1 |  | Crash receiver |
|  | Activation 2 |  | Light grid |
|  | Activation 3 |  | Light grid |

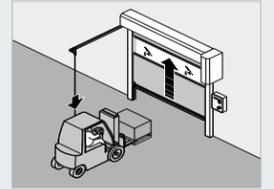
*Effective April 1, 2017

Activation choices

Maximize efficiency with the appropriate activation specific to the application

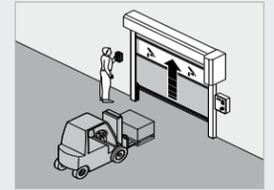
Pull Cord

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



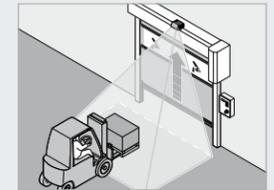
Push Button

- 2X, 3X or mushroom button.
- Housing protection category IP 65.



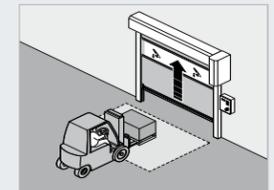
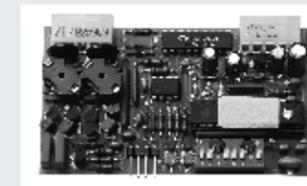
Finger-scan

- A fingerprint is enough.
- Available for 12 to 100 fingerprints.



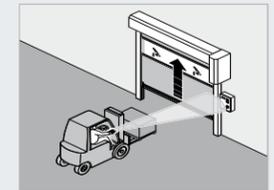
Radar / Motion Detector

- Activates when equipment or personnel enter the detection area.
- Weather-resistant enclosure.
- Housing protection category IP 65.



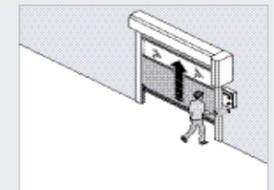
Induction Loop Detector

- 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

- For sterile environments such as clean rooms, healthcare facilities and food processing.
- Sterile alternative to manual activation devices.
- Surface or flush mountable.
- Detection zone adjustable from 4 - 24 inches.
- Water resistant.



Laser Scanprotect Sensor*

- Detection mode: motion and presence.
- Insensitive to rough weather conditions.
- Reliable non-detection of varying floor surfaces.
- Installation height: 6'5" to 19'6".
- Maximum detection zone 20 sq. ft.
- Housing protection category IP 65.

*Release date TBD

Overview of Door Types

Technical data

● = Standard ○ = Optional - = Unavailable

Speed-Guardian™ 4000 and 5000

Versatile track options

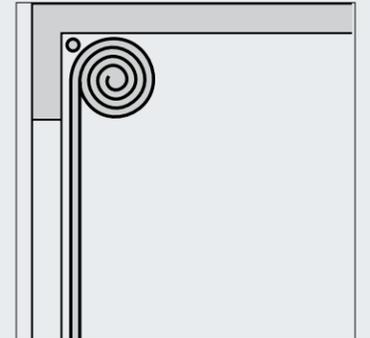
	High speed security door	5000 U 42	5000 CV 42 Complete view	5000 LP 42 Low profile	5000 LH 42 Low headroom	5000 H 67 High-lift	5000 H 42 High-lift*	5000 V 42 Vertical-lift*	4000 A Acoustic**	4000 HR Hurricane	5000 CV-TD-HR Hurricane***	
Use	Interior door	●										
	Exterior door	●										
Speed	Opening speed approx. in./sec.	Up to 80"		Up to 50"		Up to 80"						
	Closing speed approx. in./sec.	20"										
Protection equipment	Built-in light grid	●										
	UPS emergency battery pack	-										
Resistance to wind load	In closed position / Up to	120 mph								Class 3 hurricane	Class 5 hurricane	
Transmission of heat	R-value / U-value	13.6 / 1.04	Consult factory	13.6 / 1.04	13.6 / 1.04	17.6 / 1.04	13.6 / 1.04	13.6 / 1.04	-	-	Consult factory	
Door sizes	Max. width	21'4"	18'0"	12'0"	16'0"	16'0"	21'4"	21'4"	16'0"	12'0"	Consult factory	
	Max. height	21'4"	12'0"	14'0"	16'0"	21'0"	21'4"	21'4"	16'0"	16'0"h	Consult factory	
Clearance requirements (See also the Technical Manual) (Consult factory if reduced clearances are required)	Operator side	25-1/4"	Refer to chosen track configuration	21-1/16"	26"	26-3/16"	26-3/16"	26-1/4"	Refer to chosen track configuration	Refer to chosen track configuration	Refer to chosen track configuration	
	Bearing side	14-3/8"		8"	21"	20-7/8"	20-7/8"	16-3/16"				
	Lintel	36-3/8"		34-7/8"	20"	30" min.	30" min.	2X DH + 23"				
Door construction	Circular guide	●	●	●	-	-	-	-	○	○	○	
	Low headroom track	-	○	-	●	-	-	-	○	○	○	
	High-lift track	-	○	-	-	●	●	-	○	○	○	
	Vertical-lift track	-	○	-	-	-	-	●	○	○	○	
Door panel tensioning	Springs	●	Refer to chosen track configuration	-	●	-	-	-	Refer to chosen track configuration	Refer to chosen track configuration	○	
	Counterweights	-		-	-	●	●	●			○	
Door panel	Double-skinned insulated section thickness	1-5/8" (42 mm)				2-5/8" (67 mm)	1-5/8" (42 mm)	1-5/8" (42 mm)	1-5/8" (42 mm)	1-5/8" (42 mm) Uninsulated	1-5/8" (42 mm)	
	Vision slats (double-pane) Clear or tinted	○	●	○	○	-	○	○	-	-	○	
	Vision slats (triple-pane) Clear or tinted	-	-	-	-	●	-	-	-	-	-	
Door panel material / surface	Hot-dipped galvanized steel, RAL 9006	●	●	●	●	●	●	●	-	-	●	
	Anodized aluminum, RAL 9006	-	-	-	○	○	○	○	●	●	-	
	Wet paint process in choice of RAL colors	○	○	○	○	○	○	○	○	○	○	
	Duratec® coating on clear sections	●	●	●	●	●	●	●	-	-	●	
Ventilation slat	Ventilation slat	○	○	○	○	○	○	○	-	-	○	
Operator and control	Smart Start™ NXT NEMA 4X	●										
	Connecting voltage	3 phase / 208 v to 575 v / 60 Hz										
	Open-Stop-Close button	●										
	Main switch all-pole switch off	●										
	Protection category for operator and control	NEMA 4X										
	E-stop button	●										
	Personnel monitoring	Built-in light grid	●									
		Photocell	-									
	Door area monitoring	Radar presence detector	○									
		Induction loop	○									
	Timer to close in sec.	0 - 120										
	Panel reversing edge	-										
	Electronic limit switch	●										
Emergency opening	Crank handle	-										
	Chain hoist	●										
	Counter weight / spring	- / ●	Refer to chosen track configuration	Chain lifting	- / ●	● / -	● / -	● / -	● / -	Refer to chosen track configuration		

*The Speed-Guardian™ 5000 H 42 and Speed-Guardian™ V 42 models are special order products with an extended lead time. Consult factory for details.

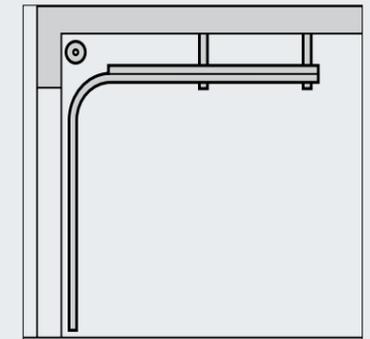
**The Speed-Guardian™ 4000 A is a special order product with an extended lead time. Consult factory for details.

***Note about 5000 CV-TD-HR Hurricane: Consult factory for dimensions and specifications for tandem door that is sold and installed in conjunction with the 5000 CV to meet the Class 5 hurricane rating.

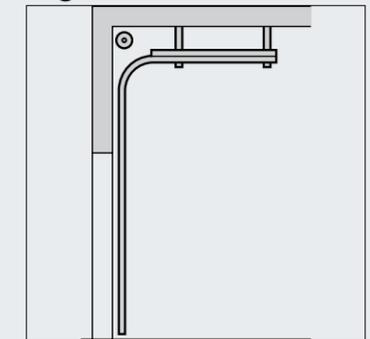
Circular Track



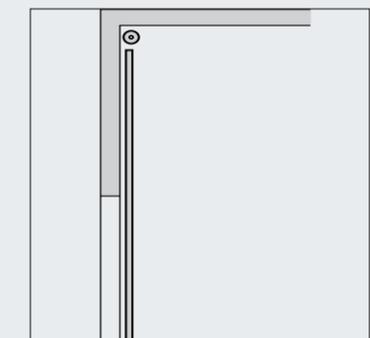
Low Headroom Track



High-Lift Track



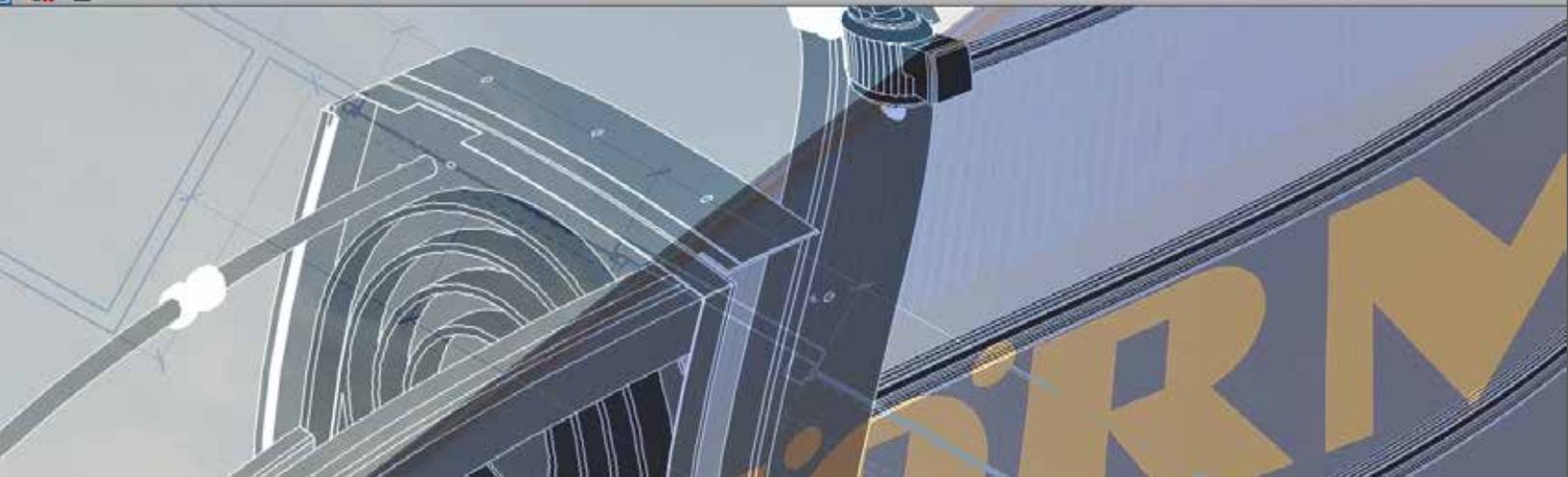
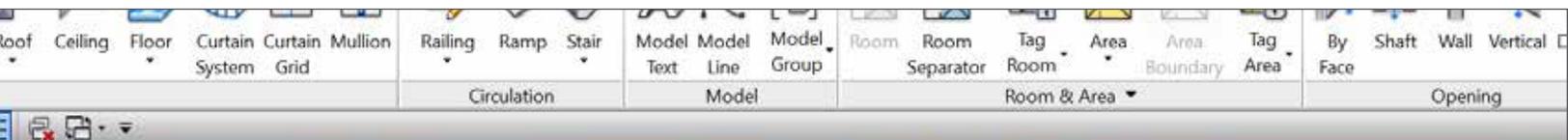
Vertical-Lift Track



The Speed-Guardian™ 4000 will be discontinued June 1, 2017. Only the Speed-Guardian™ 4000 A Acoustic and Speed-Guardian™ 4000 HR Hurricane models will continue to be available after June 1, 2017.

Speed-Guardian™ 5000 and BIM Content

BIM Content with Autodesk® Revit®



BIM content with Autodesk® Revit®

In has never been easier to incorporate high performance doors into building designs using BIM! With Hörmann's BIM content via Autodesk® Revit®, industry partners have real-time information and design feedback about our doors. Our fully parametric doors quickly empower architects, engineers and design professionals with key product information to make accurate design decisions for projects.

Track a building's lifecycle

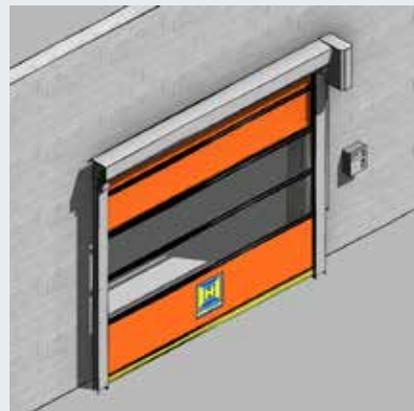
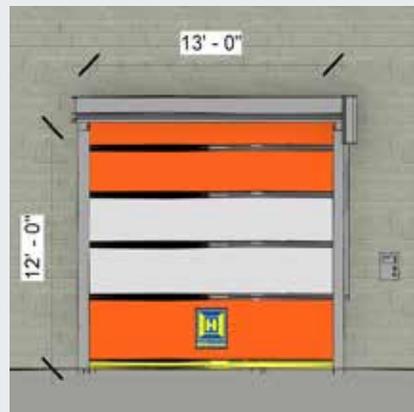
The lifecycle of the BIM design process starts with the architect and design professionals, who create door designs for a specific building. The owner is able to use the door designs received from the architect and contractor to streamline building operations and maintenance through an organized list of door models and locations, for maintenance schedules, warranty tracking, etc.

Adjustable width, height & level of detail

Our Autodesk® Revit® doors are graphically adjustable in width and height for added convenience to the user in a 2D plan, elevation and section views via grips, or by entering values in the associated Parameters.

What you see is what you get

The layout and design details will show exactly what the end result will be, and there is flexibility with selection panels colors and number of vision panels, for example. For more information, visit www.hormann-flexon.com/bim.



Take a look at our website for more information!

