



High-Performance Rigid Doors

Door Solutions Design Guide

Create a uniform look around the building, all from a single source



High-Performance Rigid Models

Two Model Series – Achieve Consistent Looks and Stay on Budget

We understand that looks and functionality are the perfect combination. Secure and aesthetically-pleasing, our Speed-Guardian™ and Steel Ranger™ rigid models meet specific design requirements through a plethora of options. Both series have RAL 9006 as the standard panel color, for convenience while coordinating the two into one building design. For custom designs, any RAL paint color is available for ease in matching specific building color schemes. Whether it's renovation or new construction, if the building project demands different types of doors, we make it easy to accommodate both high cycle and low cycle door openings, while maintaining a consistent look and staying on budget.

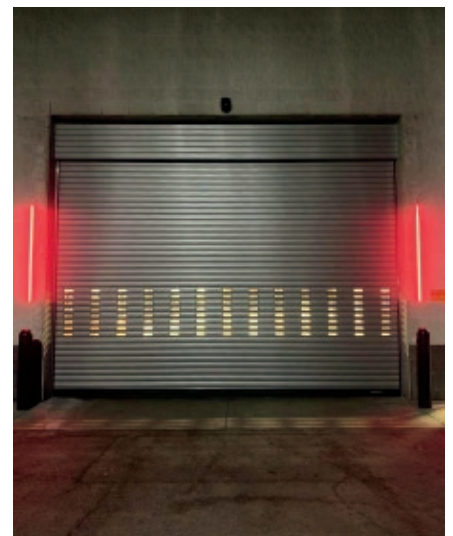
Speed-Guardian™ Series 5000 High-Speed and Low-Speed

Both the high-speed and low-speed models come with sturdy, polyurethane foam steel panels and a choice of clear, tinted, or ventilated vision slats. When cycles will exceed 55 per day, choose the Speed-Guardian™ 5000 high-speed door. Its fast-opening speed up to 80 inches / second supports energy control and easily accommodates demanding applications. For doors with fewer than 55 cycles per day, specify the Speed-Guardian™ 5000 LS low-speed model at a lower price point, keeping costs down.



Steel Ranger™ Series 9000 L Elite High-Speed and 9500 LS Low-Speed

Think of this series as the perfect alternative to old-fashioned rolling steel doors. Both the high-speed and low-speed models are springless and direct-drive, so either way, maintenance costs are minimal. Specially designed to handle the number of cycles, choose the Steel Ranger™ 9000 L Elite high-speed door for high-cycle openings, and the Steel Ranger™ 9500 LS low-speed door for low-cycle openings.



Equipment Features

- = Standard
- = Optional
- = Unavailable

Speed-Guardian™ Series - High-Speed Solutions

| Door Model | SG 5000 C U 42 | SG 5000 C CV 42 | SG 5000 C LP 42 | SG 4000 C HR 42 Hurricane |
|---|---|---|--|---|
| Classification | Coiling Doors (High Speed) | Coiling Doors (High Speed) | Coiling Doors (High Speed) | Coiling Doors (High Speed) |
| Suitable Application | interior exterior | interior exterior | interior exterior | interior |
| Maximum Size Range | 21'4" w x 21'4" h or 24'0" w or 16'0" h | 20'0" w x 14'0" h | 16'0" w x 16'0" h | 16'0" w x 20'0" h |
| Technology / Track | Coiling Solid | Coiling Complete View | Coiling Low-profile Springless | Coiling Hurricane |
| Operating Speeds | | | | |
| Maximum Opening Speed (in/s) | 80 | 80 | 60 | 80 |
| Approximate Closing Speed (in/s) | 20 | 20 | 20 | 20 |
| Minimum Required Headroom | 34-1/4" to 41-1/2" Consult Factory | 34-1/4" to 41-1/2" Consult Factory | 34-1/4" to 37-5/8" | 36-3/8" |
| Minimum Clearance for Guide Track | 14-3/8" | 14-3/8" | 9-1/4" | 14-3/8" |
| Slats | | | | |
| Dimensions Imperial value (Metric value) | 10" high x 1-5/8" (42 mm) thick | 10" high x 1-5/8" (42 mm) thick | 10" high x 1-5/8" (42 mm) thick | 9" high x 1-5/8" (42 mm) thick |
| Style | U - Galv. Steel - Ext. Micrograin Int. Stucco (RAL 9006) | CV - Complete View Aluminum Smooth C0 Clear Anodized | U - Galv. Steel - Ext. Micrograin Int. Stucco (RAL 9006) CV - Complete View Aluminum Smooth C0 Clear Anodized | A - Aluminum C0 Clear Anodized Reinforced hollow profile |
| U-factor - Imperial value (Metric value) | 1.04 (0.18) | 4.4 (0.77) | <u>U slat</u> : 1.04 (0.18) | Consult Factory |
| Imperial units = BTU/(hr x ft ² x °F) Metric units = W/(m ² x K) | | | <u>CV slat</u> : 4.41 (0.77) | |
| Optional: All Colors on RAL Chart Available | | | | |
| Style U: Wet Epoxy Paint | ○ | — | ○ | — |
| Style CV: Powder-coated | — | ○ | ○ | ○ |
| Vision | | | | |
| Clear | ○ | ● | ○ | — |
| Tinted (Smoke Gray or Obscured White) | ○ | ○ | ○ | — |
| Ventilated | | | | |
| | ○ | ○ | ○ | — |
| Resistance to Wind Load | | | | |
| | Refer to Product Data Sheet for Details | Refer to Product Data Sheet for Details | Refer to Product Data Sheet for Details | Missile Level D Wind Zone 4 |
| Guide Tracks | | | | |
| Guide Tracks | Galvanized Steel: 13" w x 12-1/8" projection | <u>Model C</u> : Galvanized Steel: 13" w x 12-1/8" projection <u>Model C LP</u> : Galvanized Steel: 8" w x 10-3/8" projection springless | Galvanized Steel: 8" w x 10-3/8" projection springless | Galvanized Steel: 13" w x 12-1/8" projection |
| Hood - Galvanized | ○ | ○ | ○ | ○ |
| Protection Devices | | | | |
| Light Curtain | ● | ● | ● | ● |
| Thru-beam Photo Eyes | ○ | ○ | ○ | ○ |
| Wireless Reversing Edge | — | — | — | — |
| Operation | | | | |
| Drive | Direct Drive | Direct Drive | Direct Drive - Springless | Direct Drive |
| Electrical Requirements | 3-ph 208 V to 480 V (575 V w/transformer) Optional: 1-ph 230 V | 3-ph 208 V to 480 V (575 V w/transformer) Optional: 1-ph 230 V | 3-ph 480 V (208-230, 575 V w/transformer) | 3-ph 208 V to 480 V (575 V w/transformer) Consult Factory: 1-ph 230 V |
| Control Box | Standard: Smart Start™ NXT NEMA 4X UL 3-ph Smart Start™ NXT NEMA 4X UL 1-ph Available Smart Start™ NXT HFCB NEMA 3 Non-UL 1-ph Consult Factory | Standard: Smart Start™ NXT NEMA 4X UL 3-ph Smart Start™ NXT NEMA 4X UL 1-ph Available Smart Start™ NXT HFCB NEMA 3 Non-UL 1-ph Consult Factory | Standard: Smart Start™ NXT NEMA 4X UL 3-ph | Standard: Smart Start™ NXT NEMA 4X UL 3-ph Smart Start™ NXT NEMA 4X UL 1-ph Available Smart Start™ NXT HFCB NEMA 3 Non-UL 1-ph Consult Factory |
| Emergency Opening | | | | |
| Chain hoist | ● | ● | ● | ● |
| UPS Emergency battery pack (1-phase non-UL) | ○ | ○ | — | ○ |

Speed-Guardian™ Series - High-Speed Solutions

| SG 5000 CV TD HR Hurricane | SG 5000 LH 42 | SG 5000 H 42 | SG 5000 V 42 | SG 4000 A 42 Acoustic | SG 5000 LSS | SG 5000 LS CV 42 |
|--|--|--|--|--|--|--|
| Coiling Doors (High Speed) | Overhead Doors (High Speed) | Overhead Doors (High Speed) | Vertical Doors (High Speed) | Any* (High Speed) | Overhead Doors (Low Speed) | Overhead Doors (Low Speed) |
| interior | interior | interior | interior | C - interior or exterior H or V - interior | interior | interior |
| 20'0" w x 14'0" h | U - 18'0" w x 18'0" h CV - 18'0" w x 14'0" h | 18'0" w x 18'0" h | 21'4" w x 21'4" h | 16'0" w x 16'0" h | 16'0" w x 16'0" h | 16'0" w x 16'0" h |
| Coiling Complete View with Tandem Shutter | Horizontal Low Headroom | Horizontal High-lift Springless | Vertical-lift | Coiling / High-lift / Vertical-lift | Horizontal Standard Track | Horizontal - Standard Track Complete View |
| 80 | 80 | 80 | 80 | 80 | 8 | 8 |
| 20 | 20 | 20 | 20 | 20 | 8 | 8 |
| Add 12" to Consult Factory for Header Configuration | 20" to 30" | 30" | 2X DH + 23-1/16" | See dimensions under specified track style | Consult Factory | Consult Factory |
| — | 14-3/8" | 14-3/8" | 14-3/8" | — | Consult Factory | Consult Factory |
| 10" high x 1-5/8" (42 mm) thick | 10" high x 1-5/8" (42 mm) thick | 10" high x 1-5/8" (42 mm) thick | 10" high x 1-5/8" (42 mm) thick | 9" high x 1-5/8" (42 mm) thick | 20" high x 1-5/8" (42 mm) thick | 20" high x 1-5/8" (42 mm) thick |
| Available in all slat styles | U - Galv. Steel - Ext. Micrograin Int. Stucco (RAL 9006) CV - Complete View Aluminum Smooth C0 Clear Anodized | U - Galv. Steel - Ext. Micrograin Int. Stucco (RAL 9006) CV - Complete View Aluminum Smooth C0 Clear Anodized | U - Galv. Steel - Ext. Micrograin Int. Stucco (RAL 9006) CV - Complete View Aluminum Smooth C0 Clear Anodized | A - Aluminum C0 Clear Anodized | U - Galv. Steel - Ext. Micrograin Int. Stucco (RAL 9006) | CV - Complete View Aluminum Smooth C0 Clear Anodized |
| 4.4 (0.77) | U slat: 1.04 (0.18) CV slat: 4.41 (0.77) | U slat: 1.04 (0.18) CV slat: 4.41 (0.77) | U slat: 1.04 (0.18) CV slat: 4.41 (0.77) | Consult Factory | 1.04 (0.18) | 4.4 (0.77) |
| — | ○ | ○ | ○ | — | ○ | — |
| ○ | ○ | ○ | ○ | ○ | — | ○ |
| ● | ○ | ○ | ○ | ○ | ○ | ● |
| ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| — | ○ | ○ | ○ | ○ | — | — |
| Meets Test Protocol For Wind Zone 4 | Refer to Product Data Sheet for Details | Refer to Product Data Sheet for Details | Refer to Product Data Sheet for Details | Consult Factory | Consult Factory | Consult Factory |
| Galvanized Steel: 13" w x 12-1/8" projection | Galvanized Steel: 13" w x 12-1/8" projection | Galvanized Steel: 13" w x 12-1/8" projection | Galvanized Steel: 13" w x 12-1/8" projection | Galvanized Steel: 13" w x 12-1/8" projection | Galvanized Steel: 2" or 3" | Galvanized Steel: 2" or 3" |
| ○ | ○ | ○ | — | ○ | — | — |
| ● | ● | ● | ● | ● | ○ | ○ |
| ○ | ○ | ○ | ○ | ○ | ● | ● |
| — | — | — | — | — | — | — |
| Direct Drive | Direct Drive | Direct Drive | Direct Drive | Direct Drive | Standard Springs: 15 K Cycle Optional Springs: 25 K, 50 K, 100 K | Standard Springs: 15 K Cycle Optional Springs: 25 K, 50 K, 100 K |
| 3-ph 208 V to 480 V (575 V w/transformer) Consult Factory: 1-ph 230 V | 3-ph 208 V to 480 V (575 V w/transformer) Optional: 1-ph 230 V | 3-ph 208 V to 480 V (575 V w/transformer) Optional: 1-ph 230 V | 3-ph 208 V to 480 V (575 V w/transformer) Optional: 1-ph 230 V | 3-ph 208 V to 480 V (575 V w/transformer) Optional: 1-ph 230 V | Standard Available: 115 V 1-ph / 230 V 1-ph 208 / 230 V, 480 V or 575 V 3-ph | Standard Available: 115 V 1-ph / 230 V 1-ph 208 / 230 V, 480 V or 575 V 3-ph |
| Standard: Smart Start™ NXT NEMA 4X UL 3-ph Smart Start™ NXT NEMA 4X UL 1-ph Available Smart Start™ NXT HFCB NEMA 3 Non-UL 1-ph Consult Factory | Standard: Smart Start™ NXT NEMA 4X UL 3-ph Smart Start™ NXT NEMA 4X UL 1-ph Available Smart Start™ NXT HFCB NEMA 3 Non-UL 1-ph Consult Factory | Standard: Smart Start™ NXT NEMA 4X UL 3-ph Smart Start™ NXT NEMA 4X UL 1-ph Available Smart Start™ NXT HFCB NEMA 3 Non-UL 1-ph Consult Factory | Standard: Smart Start™ NXT NEMA 4X UL 3-ph Smart Start™ NXT NEMA 4X UL 1-ph Available Smart Start™ NXT HFCB NEMA 3 Non-UL 1-ph Consult Factory | Standard: Smart Start™ NXT NEMA 4X UL 3-ph Smart Start™ NXT NEMA 4X UL 1-ph Available Smart Start™ NXT HFCB NEMA 3 Non-UL 1-ph Consult Factory | Standard Available: 115 V 1-ph / 230 V 1-ph 208 / 230 V, 480 V or 575 V 3-ph | Standard Available: 115 V 1-ph / 230 V 1-ph 208 / 230 V, 480 V or 575 V 3-ph |
| ● | ● | ● | ● | ● | Standard Lift | Standard Lift |
| ○ | ○ | ○ | ○ | ○ | — | — |

| SG 5000 LS H 42 | SG 5000 LS H CV 42 | SG 5000 LS V 42 | SG 5000 LS V CV 42 | SR 9000 L Elite | SR 9500 LS |
|---|---|---|---|---|--|
| Overhead Doors (Low Speed) | Overhead Doors (Low Speed) | Vertical Doors (Low Speed) | Vertical Doors (Low Speed) | Rolling Steel (High & Low Speed) | Rolling Steel (High & Low Speed) |
| interior | interior | interior | interior | interior exterior | interior exterior |
| 16'0" w x 16'0" h | 16'0" w x 16'0" h | 16'0" w x 16'0" h | 16'0" w x 16'0" h | 16'0" w x 14'0" h or 21'4" w x 10'8" h | 24'0" w x 16'0" h |
| Horizontal High-lift | Horizontal - High-lift Complete View | Vertical-lift | Vertical-lift Complete View | Coiling | Coiling |
| 8 | 8 | 8 | 8 | 45 | 8 |
| 8 | 8 | 8 | 8 | 20 | 8 |
| Consult Factory | Consult Factory | Consult Factory | Consult Factory | 24-1/2" (without hood) | 21-1/2" (without hood) |
| Consult Factory | Consult Factory | Consult Factory | Consult Factory | 3-5/8" | 3-5/8" |
| 20" high x 1-5/8" (42 mm) thick | 20" high x 1-5/8" (42 mm) thick | 20" high x 1-5/8" (42 mm) thick | 20" high x 1-5/8" (42 mm) thick | 4.3" high x 11/16" thick | 4.3" high x 11/16" thick |
| U - Galv. Steel - Ext. Micrograin Int. Stucco (RAL 9006) | CV - Complete View Aluminum Smooth CO Clear Anodized | U - Galv. Steel - Ext. Micrograin Int. Stucco (RAL 9006) | CV - Complete View Aluminum Smooth CO Clear Anodized | Decotherm® Steel (RAL 9006 both sides) | Decotherm® Steel (RAL 9006 both sides) |
| 1.04 (0.18) | 4.4 (0.77) | 1.04 (0.18) | 4.4 (0.77) | 0.73 (0.13) | 0.73 (0.13) |
| ○ | — | ○ | — | ○ | ○ |
| — | ○ | — | ○ | — | — |
| ○ | ● | ○ | ● | All Steel Ranger™ Doors: ○ Windows are 5.9" w x 2.16" h, double-pane polycarbonate. Window position: full or compact | |
| ○ | ○ | ○ | ○ | — | — |
| — | — | — | — | ○ | ○ |
| Consult Factory | Consult Factory | Consult Factory | Consult Factory | Refer to Product Data Sheet for Details | Refer to Product Data Sheet for Details |
| Galvanized Steel: 2" or 3" | Galvanized Steel: 2" or 3" | Galvanized Steel: 2" or 3" | Galvanized Steel: 2" or 3" | Aluminum: 3-5/8" w x 2-3/4" projection | Aluminum: 3" w x 4-1/2" projection |
| — | — | — | — | ○ | ○ |
| ○ | ○ | ○ | ○ | ● | — |
| ● | ● | ● | ● | ○ | — |
| — | — | — | — | ○ | — |
| Standard Springs: 15 K Cycle Optional Springs: 25 K, 50 K, 100 K | Standard Springs: 15 K Cycle Optional Springs: 25 K, 50 K, 100 K | Standard Springs: 15 K Cycle Optional Springs: 25 K, 50 K, 100 K | Standard Springs: 15 K Cycle Optional Springs: 25 K, 50 K, 100 K | Direct Drive - Springless | Direct Drive - Springless |
| Standard Available: 115 V 1-ph / 230 V 1-ph 208 / 230 V, 480 V or 575 V 3-ph | Standard Available: 115 V 1-ph / 230 V 1-ph 208 / 230 V, 480 V or 575 V 3-ph | Standard Available: 115 V 1-ph / 230 V 1-ph 208 / 230 V, 480 V or 575 V 3-ph | Standard Available: 115 V 1-ph / 230 V 1-ph 208 / 230 V, 480 V or 575 V 3-ph | 3-ph 208 V to 480 V (575 V w/transformer) Optional: 1-ph 230 V | Standard: 3-ph 230 or 480 V If 208 V required, a transformer is included |
| Standard Available: 115 V 1-ph / 230 V 1-ph 208 / 230 V, 480 V or 575 V 3-ph | Standard Available: 115 V 1-ph / 230 V 1-ph 208 / 230 V, 480 V or 575 V 3-ph | Standard Available: 115 V 1-ph / 230 V 1-ph 208 / 230 V, 480 V or 575 V 3-ph | Standard Available: 115 V 1-ph / 230 V 1-ph 208 / 230 V, 480 V or 575 V 3-ph | Standard: Smart Start™ NXT NEMA 4X UL 3-ph Smart Start™ NXT NEMA 4X UL 1-ph Available Smart Start™ NXT HFCB NEMA 3 Non-UL 1-ph Consult Factory | NEMA 4 3-ph UL relay control box |
| ● | ● | ● | ● | ● | ● |
| — | — | — | — | ○ | ○ |

HÖRMANN NORTH AMERICA



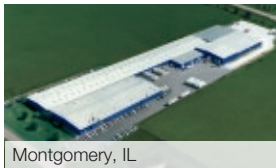
Sparta, TN - North American Headquarters / Sectional Doors

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



Barrie, ON Canada



Burgettstown, PA



Imperial, PA

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