



# 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.

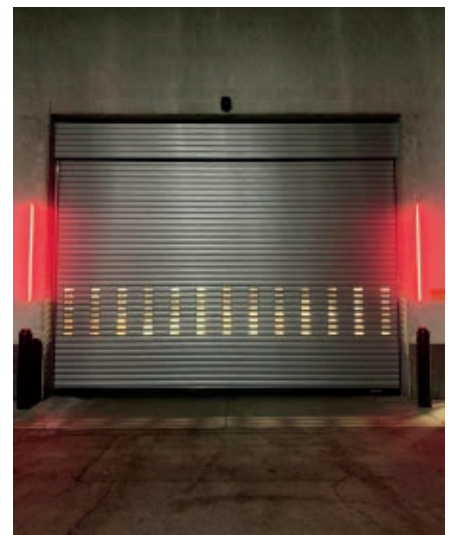
### Speed-Guardian™ Series 5000 High-Speed and Low-Speed

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 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 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	SG 5000 CV TD HR Hurricane
<b>Classification</b>	Coiling Doors (High Speed)	Coiling Doors (High Speed)	Coiling Doors (High Speed)	Coiling Doors (High Speed)	Coiling Doors (High Speed)
<b>Suitable Application</b>	interior exterior	interior exterior	interior exterior	interior	interior
<b>Maximum Size Range</b>	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	20'0" w x 14'0" h
<b>Technology / Track</b>	Coiling Solid	Coiling Complete View	Coiling Low-profile Springless	Coiling Hurricane	Coiling Complete View with Tandem Shutter
<b>Operating Speeds</b>					
Maximum Opening Speed (in/s)	80	80	60	80	80
Approximate Closing Speed (in/s)	20	20	20	20	20
<b>Minimum Required Headroom</b>	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"	Add 12" to Consult Factory for Header Configuration
<b>Minimum Clearance for Guide Track</b>	14-3/8"	14-3/8"	9-1/4"	14-3/8"	—
<b>Slats</b>					
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	10" 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	Available in all slat styles
U-factor - Imperial value (Metric value)	1.04 (0.18)	4.4 (0.77)	<u>U slat</u> : 1.04 (0.18)	Consult Factory	4.4 (0.77)
Imperial units = BTU/(hr x ft <sup>2</sup> x °F) Metric units = W/(m <sup>2</sup> x K)			<u>CV slat</u> : 4.41 (0.77)		
<b>Optional: All Colors on RAL Chart Available</b>					
Style U: Wet Epoxy Paint	○	—	○	—	—
Style CV: Powder-coated	—	○	○	○	○
<b>Vision</b>					
Clear	○	●	○	—	●
Tinted (Smoke Gray or Obscured White)	○	○	○	—	○
<b>Ventilated</b>					
	○	○	○	—	—
<b>Resistance to Wind Load</b>					
	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	Meets Test Protocol For Wind Zone 4
<b>Guide Tracks</b>					
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	Galvanized Steel: 13" w x 12-1/8" projection
Hood - Galvanized	○	○	○	○	○
<b>Protection Devices</b>					
Light Curtain	●	●	●	●	●
Thru-beam Photo Eyes	○	○	○	○	○
Wireless Reversing Edge	—	—	—	—	—
<b>Operation</b>					
Drive	Direct Drive	Direct Drive	Direct Drive - Springless	Direct Drive	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	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	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
<b>Emergency Opening</b>					
Chain hoist	●	●	●	●	●
UPS Emergency battery pack (1-phase non-UL)	○	○	—	○	○

Speed-Guardian™ Series - High-Speed Solutions

Speed-Guardian™ Series - Low-Speed Solutions

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	SG 5000 LS H 42
Overhead Doors (High Speed)	Overhead Doors (High Speed)	Vertical Doors (High Speed)	Any* (High Speed)	Overhead Doors (Low Speed)	Overhead Doors (Low Speed)	Overhead Doors (Low Speed)
interior	interior	interior	C - interior or exterior H or V - interior	interior	interior	interior
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	16'0" w x 16'0" h
Horizontal Low Headroom	Horizontal High-lift Springless	Vertical-lift	Coiling / High-lift / Vertical-lift	Horizontal Standard Track	Horizontal - Standard Track Complete View	Horizontal High-lift
80	80	80	80	8	8	8
20	20	20	20	8	8	8
20" to 30"	30"	2X DH + 23-1/16"	See dimensions under specified track style	Consult Factory	Consult Factory	Consult Factory
14-3/8"	14-3/8"	14-3/8"	—	Consult Factory	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	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	20" high x 1-5/8" (42 mm) thick
U - Galv. Steel - Ext. Micrograin Int. Stucco (RAL 9006)	U - Galv. Steel - Ext. Micrograin Int. Stucco (RAL 9006)	U - Galv. Steel - Ext. Micrograin Int. Stucco (RAL 9006)	A - Aluminum 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	CV - Complete View Aluminum Smooth C0 Clear Anodized	CV - Complete View Aluminum Smooth C0 Clear Anodized				
<u>U</u> slat: 1.04 (0.18)	<u>U</u> slat: 1.04 (0.18)	<u>U</u> slat: 1.04 (0.18)	Consult Factory	1.04 (0.18)	4.4 (0.77)	1.04 (0.18)
<u>CV</u> slat: 4.41 (0.77)	<u>CV</u> slat: 4.41 (0.77)	<u>CV</u> slat: 4.41 (0.77)				
○	○	○	—	○	—	○
○	○	○	○	—	○	—
○	○	○	○	○	●	○
○	○	○	○	○	○	○
○	○	○	○	—	—	—
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	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: 2" or 3"	Galvanized Steel: 2" or 3"	Galvanized Steel: 2" or 3"
○	○	—	○	—	—	—
●	●	●	●	○	○	○
○	○	○	○	●	●	●
—	—	—	—	—	—	—
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	Standard Springs: 15 K Cycle Optional Springs: 25 K, 50 K, 100 K
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 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 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 Lift	Standard Lift	●
○	○	○	○	—	—	—

Speed-Guardian™ Series - Low-Speed Solutions

Steel Ranger™ Series - Rolling Steel Door Solution

SG 5000 LS H CV 42	SG 5000 LS V 42	SG 5000 LS V CV 42	SR 9000 L	SR 9000 LH	SR 9500 LS
Overhead Doors (Low Speed)	Vertical Doors (Low Speed)	Vertical Doors (Low Speed)	Rolling Steel (High & Low Speed)	Rolling Steel (High & Low Speed)	Rolling Steel (High & Low Speed)
interior	interior	interior	interior exterior	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 14'0" h or 21'4" w x 10'8" h	21'0" w x 9'0" h	24'0" w x 16'0" h
Horizontal - High-lift Complete View	Vertical-lift	Vertical-lift Complete View	Coiling	Coiling	Coiling
8	8	8	45	45	8
8	8	8	20	20	8
Consult Factory	Consult Factory	Consult Factory	24-1/2" (without hood)	19" (without hood)	21-1/2" (without hood)
Consult Factory	Consult Factory	Consult Factory	3-5/8"	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	4.3" high x 11/16" thick	4.3" high x 11/16" thick	4.3" high x 11/16" thick
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	Decotherm® Steel (RAL 9006 both sides)	Decotherm® Steel (RAL 9006 both sides)	Decotherm® Steel (RAL 9006 both sides)
4.4 (0.77)	1.04 (0.18)	4.4 (0.77)	0.73 (0.13)	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	Refer to Product Data Sheet for Details	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"	Aluminum: 3-5/8" w x 2-3/4" projection	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	Direct Drive - Springless	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	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: 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: 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	NEMA 4 3-ph UL relay control box
●	●	●	●	●	●
—	—	—	○	○	○

# HÖRMANN NORTH AMERICA



Sparta, TN - North American Headquarters / Sectional Doors

## FIVE PRODUCTION PLANTS, ONE FAMILY



Puyallup, WA - Sectional Doors



Montgomery, IL - Sectional Doors



Barrie, ON Canada - High Performance Doors



Burgettstown, PA - High Performance Doors

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

We reserve the right to change specifications without notice. ©Hörmann (Issue 4, 2024)

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