



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 slat: 1.04 (0.18)	Consult Factory
Imperial units = BTU/(hr x ft² x °F) Metric units = W/(m² x K)			CV slat: 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	Model C: Galvanized Steel: 13" w x 12-1/8" projection Model C LP: 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 21'4" 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 20	80 20	80 20	80 20	80 20	8 8	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>U slat</u> : 1.04 (0.18) <u>CV slat</u> : 4.41 (0.77)	<u>U slat</u> : 1.04 (0.18) <u>CV slat</u> : 4.41 (0.77)	<u>U slat</u> : 1.04 (0.18) <u>CV slat</u> : 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			8 8			8 8			45 20			8 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 C0 Clear Anodized			U - Galv. Steel - Ext. Micrograin Int. Stucco (RAL 9006)			CV - Complete View Aluminum Smooth C0 Clear Anodized			Decootherm® Steel (RAL 9006 both sides)			Decootherm® 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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