



STEEL RANGER™

High Performance Doors

Springless, direct-drive, high and low speed models

HÖRMANN



Benefits

The Steel Ranger™ Series of high performance rolling steel doors is the perfect replacement for old-fashioned rolling steel doors in areas where the doors are cycled several times per hour. The panel color matches our standard Speed-Guardian™ 5000 Series RAL 9006, which makes it easy to coordinate the two products into one building design.



Fast and efficient operation

With a rapid opening speed of 45 in/s, the Steel Ranger™ 9000 L and 9000 LH models open up to 5½ times faster than a traditional rolling steel door. Our faster operation will contribute to energy savings and reduced employee wait times, ultimately saving money. The NEMA 4X, Smart Start™ NXT 3-phase control box is standard. The Steel Ranger™ 9500 LS low speed model is an economical solution for low cycle locations.

Exclusive 500,000 cycle warranty

The 9000 L and 9000 LH models have a direct-drive, springless design that enables us to include an exciting 500,000 cycle warranty, ensuring dependable, maintenance-free operation that progressive companies desire. Competitive models have springs with a 20,000 cycle capability as standard, and higher cycle springs as options, adding cost to the door system.

Unique solutions

Various applications require unique door solutions. Based on our expertise, we have designed this model based upon customer-specific demands for special applications such as parking garages, emergency service, retail automotive, warehouses and more.

Quality Features of a Cutting Edge Door System

Easier installation, less maintenance, great reliability



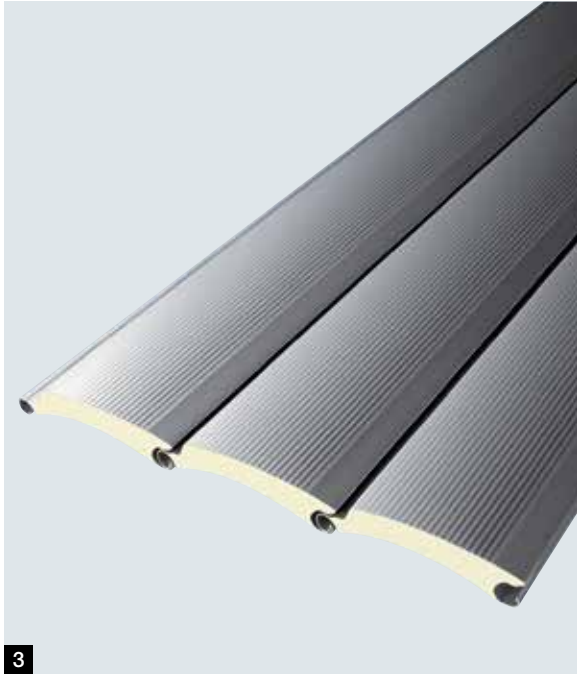
NON-CONTACT PROTECTION 1

A light curtain (standard on 9000 L and LH, optional on LS) is integral with the guide tracks making the door system less susceptible to damage and eliminating the need for additional protection devices such as a reversing edge and photoeyes. 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.



LOW HEADROOM (LH) MODEL DESIGNED FOR PARKING GARAGES 2

The 9000 LH low headroom track design meets the special requirements of parking garages. The compact footprint allows for installation in areas with limited clearance around the door opening.



INSULATED DECOTHERM® SLATS 3

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



SPRINGLESS DESIGN 4

Our springless design allows for compact aluminum guide tracks that require sideroom of only 4" for all door sizes. They are installed quickly and easily, directly to the wall structure. The operator and bearing brackets require just 11" and 7" of sideroom clearance, respectively. (9500 LS model tracks shown) Competitive models have springs with a 25,000 cycle capability as standard, and higher cycle springs as options at additional cost.

Steel Ranger™ 9000 L & LH

Ideal replacement for old fashioned rolling doors in high traffic areas

Steel Ranger™ 9000 L and LH

The Steel Ranger™ 9000 L and LH are a class above traditional rolling steel doors. With direct-drive, springless operation, extremely strong panel and fast operating speeds, this revolutionary high performance rolling steel door is the model to choose as an alternative to traditional rolling steel doors in high cycle applications.

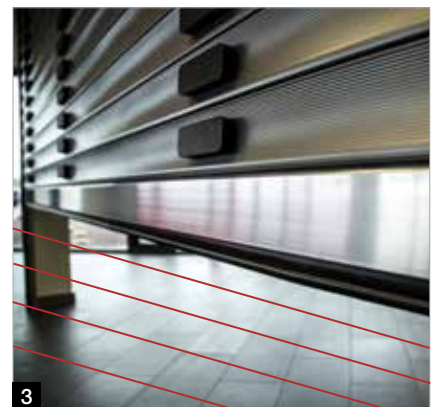
Our springless design has few moving parts, which translates into maintenance free operation. The Steel Ranger's compact footprint fits into even the most confined locations. The low headroom track design is available when applications have limited mounting space above the door opening.

Sleek and attractive slats 1 2

Extremely strong and durable, our insulated DecoTherm® steel panel slats (Standard color: RAL 9006) are constructed of a polyurethane core, covered with a steel skin that is covered with a zinc coating, a base coating and a top / finish coating. This special layering process makes the panel especially resistant to damage. Vision slats are optional: clear or ventilated. Window positioning options: compact or full-width. Patented noise reduction pads promote quiet operation.

Built-in light curtain 3

A standard, built-in light curtain is integral within the low-profile, aluminum guide tracks and protects personnel and goods from contact with the door (optional on model SR 9000 LS). Light beams shine across the opening, and if a beam is interrupted, the door is automatically reversed. In addition to protecting people and goods, this system reduces the likelihood of damage to the door, which saves on maintenance costs and downtime. For applications that require it, thru-beam photoeyes and wireless reversing edge are options.



Warranty

The springless design enables us to include our 5 and 2 warranty, ensuring reliable and dependable operation with:

- 5 years on motor/gearbox, excluding catch system
- 2 years on all other mechanical components
- 2 years on electrical components

Equipment features

Steel Ranger™ 9000 L & LH springless insulated rolling steel door

Door type	SR 9000 L	SR 9000 LH Low Headroom
Suitable application	Interior or exterior	Interior or exterior
Track configuration		
Vertical - aluminum 3-5/8" w x 2-3/4" proj.	●	-
Low headroom - aluminum 3-5/8" w x 2-3/4" proj.	-	●
Size range		
Max. width x height	16'0" x 14'0" or 21'0" x 10'8"	21'0" x 9'0"
Min. required headroom std. (in)	27	18½
Min. required headroom w/hood (in)	32	21¼
Operating speeds		
Max. opening (in/s)	45	45
Closing approx. (in/s)	20	20
Resistance to windload in closed position		
Panel in closed position	Consult factory	Consult factory
Thermal insulation without vision		
U-value (metric) in W/(m²·K)	0.73	0.73
U-value (imperial) in BTU/(h·ft²·°F)	0.13	0.13
Panel		
11/16" thick x 4.3" high Decotherm® steel slats with polyurethane core covered with triple layered skin	●	●
Optional: Wet paint one or both sides of panel - Available for applications that require it. Warranty: One year on paint finish.	○	○
Patented noise reduction pads on interior side	●	●
Vision		
5.9" wide x 2.16" high rectangular windows: double-pane polycarbonate or ventilated Window positioning, compact or full-width	○	○
Hood - galvanized	○	○
Thru-beam photoeye	○	○
Wireless reversing edge	○	○
Light curtain built into tracks	●	●
Control		
Smart Start™ NXT NEMA 4X UL 3-phase, 208 V to 480 V (575 v w/transformer)	●	●
Smart Start™ NXT NEMA 4X UL 1-phase, 230 V	Available	Available
Smart Start™ NXT HFCB NEMA 3 - Non-UL 1-phase, 230 V only	Consult factory	Consult factory
Emergency opening		
Chain hoist	●	●
Hand crank	○	○
UPS Emergency battery pack Non-UL - Automatic door opening in case of power failure (With HFCB 1-ph control box only)	○	○

- = Standard
- = Optional

Steel Ranger™ 9500 LS

Springless low speed insulated rolling steel door for door openings up to 24'0" wide x 16'0" high

Compact guide tracks fit anywhere

Our springless design allows for compact aluminum guide tracks that require sideroom of only 4" for all door sizes. They are installed quickly and easily, directly to the wall structure. The operator and bearing brackets require just 11" and 7" of sideroom clearance, respectively.

Insulated DecoTherm® slats 1

Extremely strong and durable, our insulated DecoTherm® steel panel slats (Standard color: RAL 9006) are constructed of a polyurethane core, covered with a steel skin that is layered with a special low friction coating, which makes the slats resistant to damage. Vision slats are optional: clear or ventilated. Window positioning options: compact or full-width.

Powerful direct drive operator 2

An effective solution for interior or exterior door openings, a powerful direct-drive operator may be mounted either vertically or horizontally as standard. This flexible mounting configuration accommodates applications with unusual sideroom requirements. If an optional hood is required, the operator mounting direction will be required when order is placed.

Minimum wear guide channel 3

As standard, the guide tracks have a built-in, smooth vinyl guide channel, which reduces wear and friction on the door panel. Track funnel guides direct the door panel into the tracks and are easily replaced. Exterior mounted doors include brush and loop seal inside tracks.

Easy installation

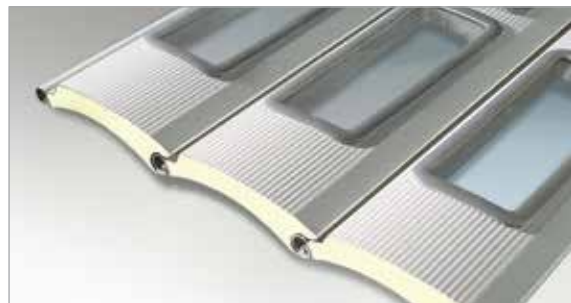
The door construction is a ready-to-install unit consisting of the curtain, roll tube and mounting brackets. The door components can easily be positioned on the building structure using a line and mounting hole template. Stackable packaging units also optimize transportation to the job site.

Optional hood for weather protection

An optional galvanized steel hood covering the roll tube and operator is available for effective protection against dirt and /or exterior mounting applications.

Aesthetically pleasing insulated DecoTherm® panel

Sleek insulated DecoTherm® panel is attractive and durable



Equipment features

Steel Ranger™ 9500 LS springless low speed insulated rolling steel door

Door type	SR 9500 LS
Suitable application	Interior or exterior
Track configuration	
Standard roll-up	●
Size range	
Max. width x height	24'0" x 16'0"
Min. required headroom standard track (in)	21.5
Operating speeds	
Max. opening (in/s)	8
Closing approx. (in/s)	8
Thermal insulation no vision	
U-value (metric) in W/(m²K)	0.73
U-value (imperial) in BTU/(h·ft²·°F)	0.13
Panel	
0.7" thick x 4.3" high Decotherm® steel slats with polyurethane core covered with triple layered skin	●
Optional: Wet paint - Available for applications that require it. Warranty: One year on paint finish.	○
Vision	
5.90" wide x 2.16" high rectangular windows: double-pane polycarbonate or ventilated. Window positioning, compact or full-width.	○
Guide Tracks	
Aluminum 4" wide x 3" projection	●
Hood - galvanized	○
Operation and protection devices	
Constant contact push button (no reversing edge, photoeye or light curtain)	●
Automatic with UL 325 NEMA 4X thru beam photoeye	○
Automatic with wireless pneumatic reversing edge and UL 325 NEMA 4X thru beam photoeye	○
Automatic with light curtain built into tracks (no reversing edge or photoeye)	○
Control	
NEMA 4 relay control box Standard: 3-phase, 230 or 480 V / 60 Hz. If 208 v is required, a transformer is included.	●
Emergency opening	
Chain hoist	●

● = Standard
○ = Optional



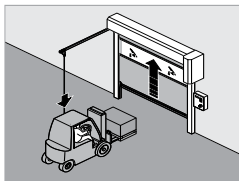
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- 2 years on electrical components

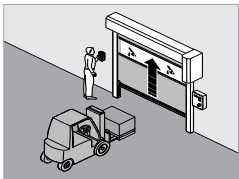
Activation

Options for operation



Pull Cord

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



Push Button

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



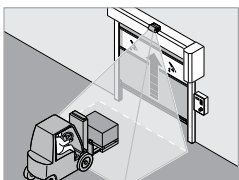
Mushroom Push Button

- NEMA 4 rated.



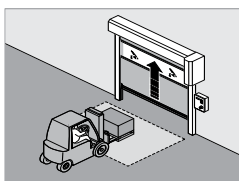
Finger-Scan

- Your fingerprint is enough.
- Model FL 12 for 12 fingerprints or the FL 100 for 100 fingerprints.



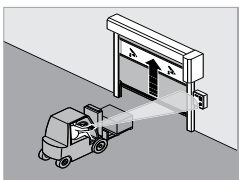
Radar / Motion Detector

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



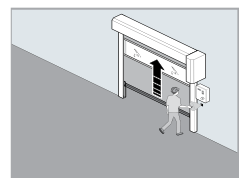
Induction Loop Detector

- 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



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 5-1/2" keypad. For Speed-Guardian™ and Steel Ranger™ models, surface mount is available.



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.



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.

* For 9000 L and LH models and 9500 LS with automatic operation only. Photos are representative of current designs and are subject to change.

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.

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