



# High-Performance Rubber Doors

Door Solutions Design Guide

Tough and reliable for your challenging environments

**HÖRMANN**

Equipment Features

● = Standard

○ = Optional

— = Unavailable

Door Model

Suitable Application

Maximum Size Range (ft)
Operating Speeds
Maximum Opening Speed (in/s)
Approximate Closing Speed (in/s)
Minimum Required Headroom (in)
Minimum Headroom, doors up to 17 ft high (in)
Minimum Headroom, doors over 17 ft high (in)

Panel
Windlocks
Curtain Lok™
Wind Load Protection - weighted bottom bar is standard on door width ≥ 12 ft (optional on door width < 12 ft)
Resistance to Wind Load - Closed Position In-plant only
Breakaway
Material
1/4 in (6 mm) thick EPDM rubber (Blue or Grey)
1/4 in (6 mm) thick MSHA self-extinguishing rubber (Black only)
Thermal Insulation
U-value - Imperial value (Metric value)
Imperial units = BTU/(hr x ft² x °F) Metric units = W/(m² x K)
Vision Windows - 16 in x 16 in Maximum 1 window every 5 ft of door width

Construction
Hood - Galvanized Steel
Hood - Stainless Steel
Guide Tracks (in)
Protection Device
Warning Device - LED Lite Advance traffic light strip(s)

Operation
Drive
Counterbalance 100K cycle springs for door height < 22 ft Counterbalance 50K cycle springs for door height ≥ 22 ft
Electrical Requirements
Control Box

Emergency Opening
Hand Crank
Chain Hoist

Warrenty
Coverage

HD-HD 2565 Drive Economy	HD-DD 3065 Direct Drive	HD-DD 2555 Direct Drive Low Headroom	HD-CD 3025 Chain Drive	HD-SD 3020 Sprung Drive Economy
interior exterior	interior exterior	interior exterior	interior exterior	interior exterior
25 w x 22 h	30 w x 20 h or 21 w x 30 h	25 w x 17 h	20 w x 30 h or 25 w x 25 h or 30 w x 17 h	25 w x 30 h or 30 w x 20 h
Up to 65 Up to 29	Up to 65 Up to 30	Up to 55 Up to 30	Up to 25 Up to 12	Up to 20 Up to 18
25-1/2 —	32-1/2 37	20 —	32-1/2 37	32-1/2 37
● ○	● ○	● ○	● ○	● ○
20 psf (88 mph)	20 psf (88 mph)	20 psf (88 mph)	20 psf (88 mph)	20 psf (88 mph)
●	●	●	●	●
— —	○ ○	○ ○	○ ○	○ ○
Consult Factory	1.36 (7.74)	1.36 (7.74)	1.36 (7.74)	1.36 (7.74)
○	○	○	○	○
○	○	○	○	○
○	○	○	○	○
Reinforced galvanized steel mounting angle, NEWGEN® guide & Curtain Lok™ system  5-1/4 w x 9 projection (without guide guard)  5-1/4 w x 9-3/4 projection (with guide guard)	Reinforced galvanized steel mounting angle, NEWGEN® guide & Curtain Lok™ system  5-1/4 w x 9 projection (without guide guard)  5-1/4 w x 9-3/4 projection (with guide guard)	Reinforced galvanized steel mounting angle, NEWGEN® guide & Curtain Lok™ system  5-1/4 w x 9 projection (without guide guard)  5-1/4 w x 9-3/4 projection (with guide guard)	Reinforced galvanized steel mounting angle, NEWGEN® guide & Curtain Lok™ system  5-1/4 w x 9 projection (without guide guard)  5-1/4 w x 9-3/4 projection (with guide guard)	Reinforced galvanized steel mounting angle, NEWGEN® guide & Curtain Lok™ system  5-1/4 w x 9 projection (without guide guard)  5-1/4 w x 9-3/4 projection (with guide guard)
Light Curtain LED Lite Advance	Light Curtain LED Lite Advance	Light Curtain LED Lite Advance	Light Curtain LED Lite Advance	Light Curtain LED Lite Advance
●	●	●	●	●
Direct Drive - Springless	Direct Drive - Springless	Direct Drive - Springless	Chain Drive - Springless	Counterbalance 100K Cycle Spring  Optional Counterbalance 200K Cycle Spring
3-ph 208 V to 575 V	3-ph 208 V to 575 V	3-ph 208 V to 575 V	3-ph 208 V to 240 V Optional 1-ph 208 V to 240 V Optional 3-ph 460 V to 600V	3-ph 208 V to 575 V
Smart Start™ NXT NEMA 4X UL 3-ph	Smart Start™ NXT NEMA 4X UL 3-ph	Smart Start™ NXT NEMA 4X UL 3-ph	NEMA 4 PLC and inverter drive, soft start / soft stop	NEMA 1 operator mounted control box with relay logic contactors
○	○	○	—	—
●	○	○	●	●
Limited lifetime on NEWGEN® Guide & Curtain Lok™ 5 years on curtain materials. 5 years or 1 million cycles on operator with VFD	Limited lifetime on NEWGEN® Guide & Curtain Lok™ and curtain material. 5 years or 1 million cycles on operator with VFD	Limited lifetime on NEWGEN® Guide & Curtain Lok™ and curtain material. 5 years or 1 million cycles on operator with VFD	Limited lifetime on NEWGEN® Guide & Curtain Lok™ and curtain material. 5 years or 1 million cycles on operator with VFD	Limited lifetime on NEWGEN® Guide & Curtain Lok™ and curtain material. 5 years or 1 million cycles on operator with VFD

HD-M 1500 Sprung Drive Manual	HD-M 1000 Manual Sprung Dock Door	HD-SD 3050 Sprung Drive High-Speed	HD-CD 2530 Low Headroom Parking Door	HDXL Sprung Drive Extra Large Size
interior exterior	interior exterior	interior exterior	interior exterior	interior exterior
15 w x 15 h	10 w x 12 h	25 w x 30 h or 30 w x 20 h	25 w x 10 h	47 w x 45 h
— —	— —	Up to 50 Up to 32	Up to 30 Up to 20	Up to 12 Up to 12
25-1/2 —	20 —	32-1/2 37	13 —	42 —
● —	— —	● ○	● ○	● —
20 psf (88 mph)	20 psf (88 mph)	20 psf (88 mph)	20 psf (88 mph)	Consult Factory
●	●	●	●	●
○ ○	○ ○	○ ○	○ ○	○ ○
1.36 (7.74)	1.36 (7.74)	1.36 (7.74)	1.36 (7.74)	1.36 (7.74)
○	○	○	○	○
○	○	○	○	○
○	○	○	○	○
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LED Lite Advance	—	Light Curtain LED Lite Advance	Light Curtain LED Lite Advance	Push Button - Constant Pressure to Close LED Lite Advance
—	—	●	●	●
Counterbalance 25K Cycle Spring	Counterbalance 25K Cycle Spring	Counterbalance 100K Cycle Spring  Optional Counterbalance 200K Cycle Spring	Chain Drive - Springless	Counterbalance 50K Cycle Spring
—	—	3-ph 208 V to 240 V Optional 1-ph 208 V to 240 V Optional 3-ph 460 V to 600V	3-ph 208 V to 575 V	3-ph 208 V to 575 V
—	—	NEMA 4 PLC and inverter drive, soft start / soft stop	Smart Start™ NXT NEMA 4X UL 3-ph	NEMA 4 PLC and inverter drive, soft start / soft stop
—	—	—	—	—
●	●	●	●	●
Limited lifetime on NEWGEN® Guide & Curtain Lok™ and curtain material. 5 years or 1 million cycles on operator with VFD	Limited lifetime on NEWGEN® Guide & Curtain Lok™ and curtain material.	Limited lifetime on NEWGEN® Guide & Curtain Lok™ and curtain material. 5 years or 1 million cycles on operator with VFD	Limited lifetime on NEWGEN® Guide & Curtain Lok™ and curtain material. 5 years or million cycles on operator with VFD	Limited lifetime on NEWGEN® Guide & Curtain Lok™ . and curtain material. 5 years or 1 million cycles on operator with VFD

# High-Performance Rubber Models

## Built on a legacy

Built on a 20-year legacy started by TNR Industrial Doors, Hörmann is proud to offer our HD SERIES rubber doors as solutions for the harshest, most demanding door openings. Design fundamentals have been the key to success and are now carried forward into the latest rubber door models that Hörmann offers.

Rubber doors were first introduced to the mining industry. Since then, they have become a staple in other extremely rugged applications such as pulp and paper operations, transportation and railway service, parking and waste management. Other applications for rubber doors include parking garages and blast freezers.

## Models for Extra-Large Door Openings

The extra-large, model HDXL rubber doors are available up to 47 feet wide or 45 feet high.

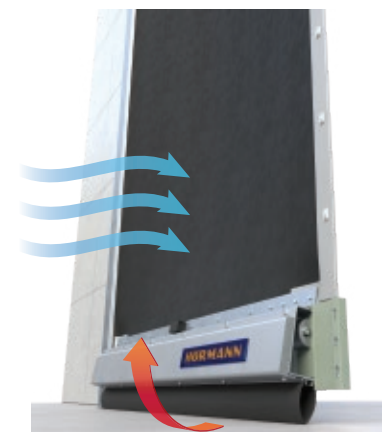
Our standard SBR flexible rubber curtain withstands large pressure differentials caused by wind and HVAC equipment on the extra-large door surface area.

The model HDXL9 is bigger, heavier, and stronger than all other rubber doors with components such as: 6" guides instead of 5"; 8" x 6" steel tube for mounting instead of steel angle; and a heavier 8" tall steel bottom bar construction further strengthened with ribbed aluminum extrusion reinforcements.



## Patented Pivoting Bottom Bar

In addition to effectively closing extremely large openings, our patented pivoting bottom bar assembly allows the bottom bar to pivot when the curtain is exposed to high wind load or positive pressure. The door easily cycles without binding in the guides.



## Smart Options

Heavy-duty EPDM rubber curtain, epoxy paint, and stainless steel fasteners are recommended options for corrosive areas like composting and waste management facilities. Our WideScan laser sensor is a reliable, modern activation with fewer false activations than motion or presence sensors, photoeyes, or ground loops.



# 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.



Puyallup, WA



Montgomery, IL



Barrie, ON Canada



Burgettstown, PA



Imperial, PA

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