

# Product Data Sheet

HD-M 1500

HD SERIES Sprung Drive Manual Door

## Features



Typically harsh environments of industrial and commercial applications when frequency of access is extremely low are where this manually operated door provides great value at low cost.

- HD-M 1500 provides the same rugged durability of the HD SERIES product line but without the cost of an electric drive system. This significantly reduces the cost of the door system while providing a manually operated door solution where low door cycles allow.
- This manually operated, sprung door is ideal in locations where no electrical power is available.
- Available for doors up to 15 feet wide and 15 feet high

Technical Data			Remark
Application		Interior / Exterior	
Speed		N/A	
Control Box (W x H x D)		N/A	
Roll-up Technology		Roll tube with precision-welded axles	
Door Construction	Size Range	6'-0" (1830 mm) up to 15'-0" (4572 mm) wide 6'-0" (1830 mm) up to 15'-0" (4572 mm) high	
	Mounting angle / guide track assembly profile (W x D)	5.25" x 9" (140 mm x 230 mm) 9.25" x 9" (230 mm x 230 mm)	Steel mount / Concrete mount
	Roll Tube Diameter	8.625" (219 mm) x 0.322" (8.2 mm) thick wall	
	Window Size	16" x 16" (406 mm x 406 mm), 0.125" (3 mm) thick	
Required Headroom		32.5" (825 mm) 37" (940 mm)	Opening height up to 17' 0" (5185 mm) Opening height over 17' 0" (5185 mm)
Drive Mechanism		Chain driven manual chain hoist	
Counterbalance System		50K or 100K cycle counterbalance spring (depending on door size)	
Braking		N/A	
Cycleability / Maintenance		25 per day / Inspection every three months	
Safety Features		Integrated in-line light grid, manual chain hoist	
Resistance to Wind Load		20 pounds per square foot (1.0 kPa) windclass 5	ANSI / DASMA 108-2002
Fire resistance rating		Non-rated, Non-conforming exit	
Warranty		Curtain - Limited lifetime General - 2 years	Curtain - 10 years in Europe

# Product Data Sheet (Continued)

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Materials and Finishes		
Curtain	Standard 1/4" (6 mm) / Black SBR (Styrene-Butadiene Rubber)	Optional: 1/4" (6 mm) Blue or Grey EPDM (Ethylene Propylene Diene Monomer), Black Nitrile, Black MSHA (Mine Safety and Health Administration)
Curtain Temperature Rating	SBR: -40°F (-40°C) to 185°F (85°C)	Grey EPDM: -63°F (-53°C) to 185°F (85°C) Blue EPDM: -56°F (-49°C) to 185°F (85°C)
Guides	5" (127 mm) aluminum extrusion	
Mounting Angles	Rollformed high strength galvanized steel, 10 gauge with gussets	
Guide Guards	Rollformed high strength galvanized steel, 10 gauge	
Bottom Bar	Extruded aluminum weighted bottom bar with patented pivoting arms	
Endplates	Zinc dichormate plated steel	
Truss	Fabricated steel construction, painted	
Roll Tube	Galvanized steel	
Idler Barrel	Galvanized steel 6.25 in (159 mm) diameter x (4 mm) thick wall	
Weather Seals	Self sealing rubber curtain/guides, EPDM loop seal on bottom bar, brush seal at lintel	
Electric Door Operator	N/A	
Control Box	N/A	
Hood and Motor Cover (Optional)	18 gauge galvanized steel	
Energy Analysis		
Visible Transmittance (Tvis)	N/A	
Solar Heat Gain Coefficient (SHGC)	N/A	
Thermal Resistance (R-value)	0.73 hr-ft <sup>2</sup> -°F/BTU (0.13 m <sup>2</sup> -K/W)	ASTM C518 – 10
Heat Transfer Coefficient (U-value)	1.36 BTU/hr-ft <sup>2</sup> -°F (7.74 W/m <sup>2</sup> -K)	ASTM C518 – 10
Acoustic Insulation	Sound transmission Class (STC) 28 dB Outdoor-Indoor transmission class (OITC) 23 dB	ASTM E 90-09 / E 413-10 / E1332 - 10a
LEED Credit (Potential)	N/A	
Electrical		
Electric Door Operator (Motor)	N/A	
Operating Voltage	N/A	
Control Box	N/A	
Standard Power Requirement	N/A	
Full Load Amps	N/A	
Disconnect	N/A	



TNR Industrial Doors | 200 Fairview Road, Unit 2 | Barrie, ON L4N 8X8  
1-866-792-9968 | 705-792-9968 | tnrdoors.com