

Product Data Sheet

HD-M 1500

HD SERIES Sprung Drive Manual Door

HÖRMANN



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	Imperial	Metric	Remark
Application			
Roll-up Technology	Roll tube with precision-welded axles		
Size Range	Width 6 ft 0 in up to 15 ft 0 in	Width 1.83 m up to 4.57 m	
	Height 6 ft 0 in up to 15 ft 0 in	Height 1.83 m up to 4.57 m	
Guide Track Profile	W x D (in)	W x D (mm)	Steel mount Concrete mount
	5.25 x 9 9.25 x 9	140 x 230 230 x 230	
Roll Tube Diameter	8.625 in x 0.322 in thick wall	219 mm x 8.2 mm thick wall	
Visible Material Height (Window Size)	16 in x 16 in, ½ in thick	406 mm x 406 mm 3 mm thick	
Required Headroom	32.5 in 37 in	825 mm 940 mm	Opening height up to 17 ft (5185 mm) Opening height over 17 ft (5185 mm)
Drive Mechanics	Chain driven manual chain hoist		
Counterbalance System	50K or 100K cycle counterbalance spring (depending on door size)		
Cycleability / Maintenance	25 per day / Inspection every three months		
Safety Features	Integrated in-line light grid, manual chain hoist		
Resistance to Wind Load (Max per Door Width)	20 psf, windclass 5	98kg/m2 windclass 5	ANSI / DASMA 108-2002
Fire Resistance Rating (Behavior)	Non-rated, Non-conforming exit		
Manufacturer Warranty	Curtain - Limited lifetime General - 2 years		Curtain - 10 years in Europe

Product Data Sheet

HD-M 1500

HD SERIES Sprung Drive Manual Door

HÖRMANN

Materials & Finishes	Description		Remark
Guide Tracks, Covers & Guards (Guides)	5 in (127 mm) aluminum extrusion guards Rollformed high strength galvanized steel, 10 gauge		
Mounting Angles	Rollformed high strength galvanized steel, 10 gauge with gussets		
Roll Tube	Galvanized steel		
End Plates			
Weather Seals	Self sealing rubber curtain / guides, EPDM loop seal on bottom bar, brush seal at lintel		
Curtain	Standard ¼ in (6 mm) / Black SBR (Styrene-Butadiene Rubber)		Optional: ¼" (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 to 185°F	SBR: -40°C to 85°C	Grey EPDM: -63°F (-53°C) to 185°F (85°C) Blue EPDM: -56°F (-49°C) to 185°F (85°C)
Bottom Profile (Bar) Door Slat	Extruded aluminum weighted bottom bar with patented pivoting arms		
Hood and Motor Cover (Optional)	18 gauge galvanized steel		
Truss	Fabricated steel construction, painted		
Idler Barrel	Galvanized steel 6.25 in (159 mm) diameter x (4 mm) thick wall		
Energy Analysis	Imperial	Metric	Remark
Thermal Resistance (R-value)	0.73 hr·ft ² ·°F/BTU	(0.13 m ² ·K/W)	ASTM C518 – 10
Heat Transfer Coefficient (U-value)	1.36 BTU/hr·ft ² ·°F	(7.74 W/m ² ·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