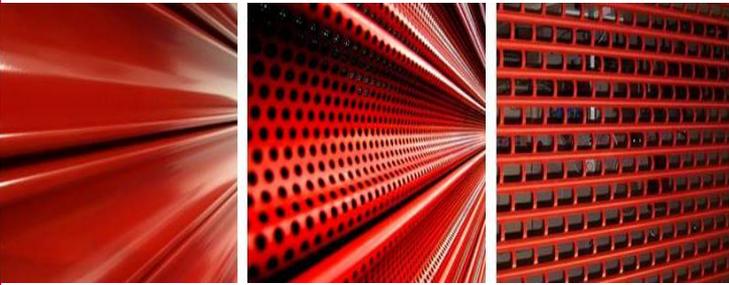


The MDS Industries Hand Chain Roller Shutter is designed for applications where electrical operation is either not practical or desirable. This can include where there is no electrical supply present; where use is very infrequent; or in explosive atmospheres where equipment with a lower probability of creating a source of ignition is required. Care must be taken to assess that the operative is suitably able to effectively pull the chain hoist with ease and without danger or injury.

Standards: The roller shutters are manufactured fully in compliance with BS/EN 13241 "Industrial, commercial and garage doors and gates".

Dimensions: Opening height is up to 8,000mm; opening width up to 8,000mm. The shutter weight is approximately 35kg/m².

Curtain: The curtain material is generally constructed from individual inter-locking pre-galvanized steel lath



(generally 75mm concave) incorporating either a plastic endlock or a zinc alloy die cast end-lock riveted in position. Wind anchor locks may be fitted on larger shutters. The lath can be 18, 20 or 22 swg as standard or any other gauge if requested. The curtain is supplied with solid lath as standard. Optional extras include perforated or punched "brick bond" lath. Insulated laths are also available offering an insulated shutter variant with a U value of 4.5W/m²K.

Bottom Rail: The base of the curtain is fitted with a steel angle reinforcing rail size forming an inverted 'T'.

Operation: Via the chain pulley. The chain can be located in a keep bracket whilst not in use. When the shutter is closed this bracket can be padlocked and this will ensure additional safeguard against the shutter curtain being forcibly raised by an intruder.

Safety brake: A safety brake is fitted as standard in accordance with BS/EN 13241-1:2003.



Plasticol Finishes: As an optional extra shutter curtains can be provided in the HP200 standard range of plasticol colours, plasticol finishes being to the external face of the shutter only. Standard colours include White, Black, Van Dyke Brown, Merlin Grey, Goose Wing Grey, Mushroom and Red.



Powder Coated Finishes: As an optional extra powder coated finishes can be provided to the shutter in standard RAL or BS standard colours as well as non-standard colours if samples are provided for us to analyse.

Extra Security: Ground locks (with interlock and padlock) and bullet locks can be fitted as an optional extra.

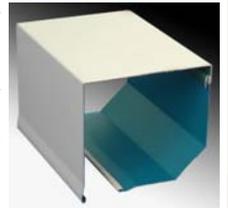


Roller Assembly: Constructed from mild steel tube of sufficient gauge to prevent deflection, mounted on bright steel shafts running in ball races.

Endplates: The roller assembly is supported by mild steel endplates with mounting angles for fixing to the support structure.

Roller Enclosure (Hood): Formed from galvanized pressed sheet metal to enclose the rear of the shutter barrel and curtain assembly. Available as an optional extra.

Side guides: Constructed as 90mm x 34mm or 120mm x 34mm extruded aluminium guide with integral box section for strength.



Warranty: We warranty all parts free from manufacturer's defects for a period of twelve months from the commissioning date. The warranty also covers call out charges and fitting charges for replacement parts supplied under the warranty. The warranty does not cover repairs due to accidental damage or misuse, fair wear and tear or any loss of use while replacement parts are being supplied or fitted.



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"Engineering is our expertise, doors are our daily obsession."