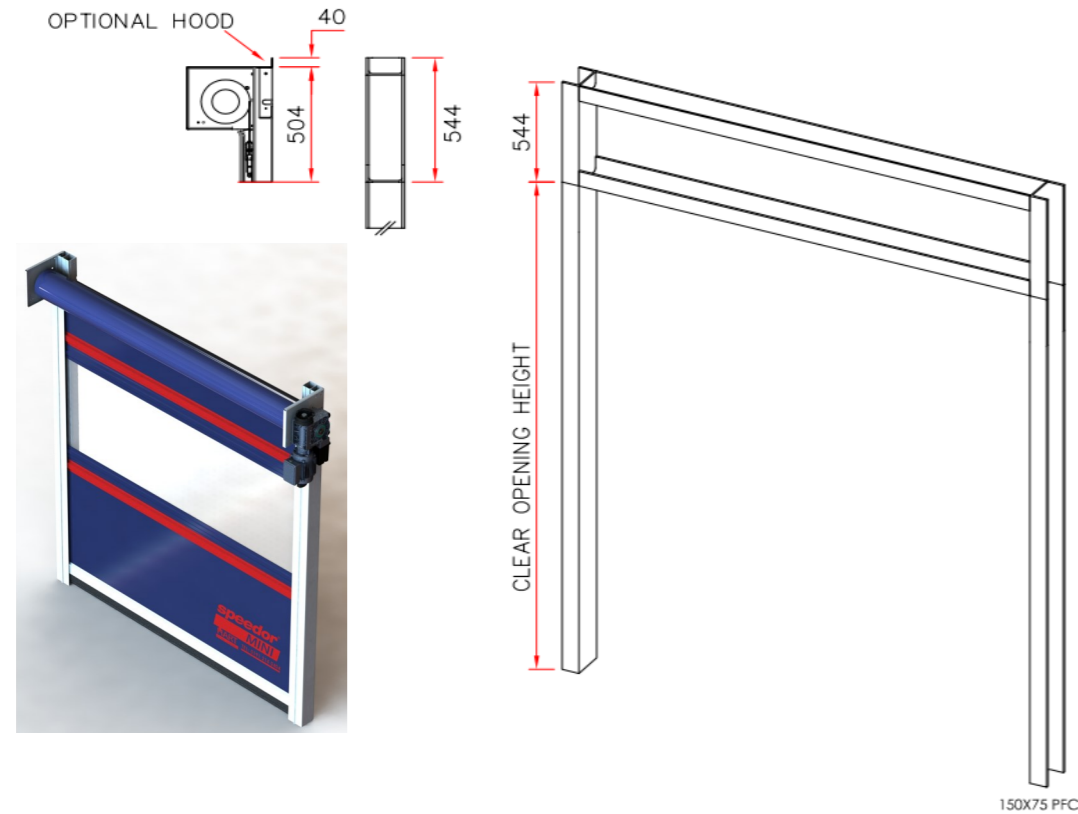


## General layout drawing of steelwork requirements



### Mini Features and Appearance

<b>Door sizes</b>	Up to 4m wide x 4m high
<b>Door applications</b>	Distribution depots, Pharmaceutical production, Food manufacturing, Medical/Biotechnology production, Electronics/Semiconductor production, Aerospace/Automotive production and Chemical/Environmental Analysis industry, distribution, motor manufacture, anywhere.
<b>Colour</b>	
<b>Safety</b>	Light curtain standard, optional optical touch sensitive leading edge, photocells, presence sensors and laser detection.
<b>Curtain options</b>	0.9g to 2.5 kg/m fabric weight, Clear vision panels, logo / images printed on
<b>Hoods</b>	Barrel and motor hood options in galvanised steel, Powder coated or
<b>Door speeds</b>	Standard single speed opening and closing speeds of approx. 0.66 m/s. Variable speed .95m/s up to 1.2m/s
<b>Power Requirement</b>	240 volt, single phase, 16 amp for variable speed <b>OR</b> 415 volt + neutral for single speed, conforming to EN 60309 terminating within 1 meter of the motor side of the door at approx. 1.5m from floor level.

<b>NBS REF</b>	L20:570
<b>MODEL</b>	Speedor Mini, High Speed Rolling Door
<b>Control Panel</b>	Digital Control Panel, state of the art, compliant to BS EN 12454. IP65 rated.
<b>Curtain fabric colours</b>	PVC coated, 900g fabric in Royal Blue, Carmine Red or Light Grey as standard. Option 2.5Kg sq/M heavy duty fabric. Samples available on request. <i>Optional: Other curtain colours, full width clear vision panel, full colour design/logo on fabric.</i>
<b>Wind Bracing</b>	Steel bracing retained in pockets, the number varies dependant on height.
<b>Side frame</b>	Aluminium extrusions in mill finish . <i>Optional Powder Coated Finish</i>
<b>Safety</b>	Light curtain, <i>Optional: Safe edge, forward warning photocells, sensors, audible alarm, traffic lights</i>
<b>Seals</b>	Bottom Rubber Seal ( <i>will not prevent potential water penetration without other drainage</i> )
<b>Activators</b>	<i>Induction Floor Loop, Radar sensors, Radio Operation with transmitter, Photocell, Press button, Pull Cord, Keypad</i>
<b>General</b>	Standard 12 month warranty on defective parts
<b>Other Optional Items</b>	<i>Optional : Barrel and motor hood covers, Express manufacturing and delivery, Seaworthy packing.</i>



**Speedor Mini** is Hart Door Systems' ideal solution for internal, frequently used doors in high traffic situations, and are reliable, long lasting and with lots of options allowing specification to your requirements.

Speedor's are UK designed and manufactured and backed by over 40 years' experience in high speed automatic energy saving doors. All Speedor models are designed for frequent use in high traffic situations, delivering reliable, long life, and low maintenance over many years. Speedors comply with all required British Standards and Health & Safety requirements.

Due to its automatic and fast operation, traffic flow and internal temperatures can be controlled more efficiently and cost effectively, potentially returning large payback by increased environmental control, efficient access and reduced energy cost.

#### OPTIONS:

- Internal doors up to 4M wide & 4M high
- Manufactured in England to ISO9001 and UKCA/CE marked
- State of the art direct drives & controls BSEN safety compliant
- Single or variable speed
- Safety, operators and electricians
- Rugged, reliable and safe
- Rapid parts availability from stock
- Warranty and extended warranty available

### Size Availability:

All doors are made to measure to specific requirements. Maximum size available 4M wide and 4M high. Designed for internal use or openings with low or no required wind resistance.

### Fabric and Optional Vision Panel:

900g sq/M, flame retardant PVC fabric available in three colours as standard.

Option 2.5Kg sq/M multilayer heavy duty fabric available. Fabric is constructed from textile with PVC coating and high frequency welded as appropriate.

Optional Vision Panel is available in 1mm thick clear PVC welded into the curtain.

Curtain braces are fixed horizontally within a contrasting PVC pocket which add to visibility of the door system in operation.

#### Standard Curtain Colour:



### Bottom Rail Reset:

Optional break-away sacrificial nylon end fittings can be fitted to the bottom rail allowing easy replacement and reset following impact.

### Standards:

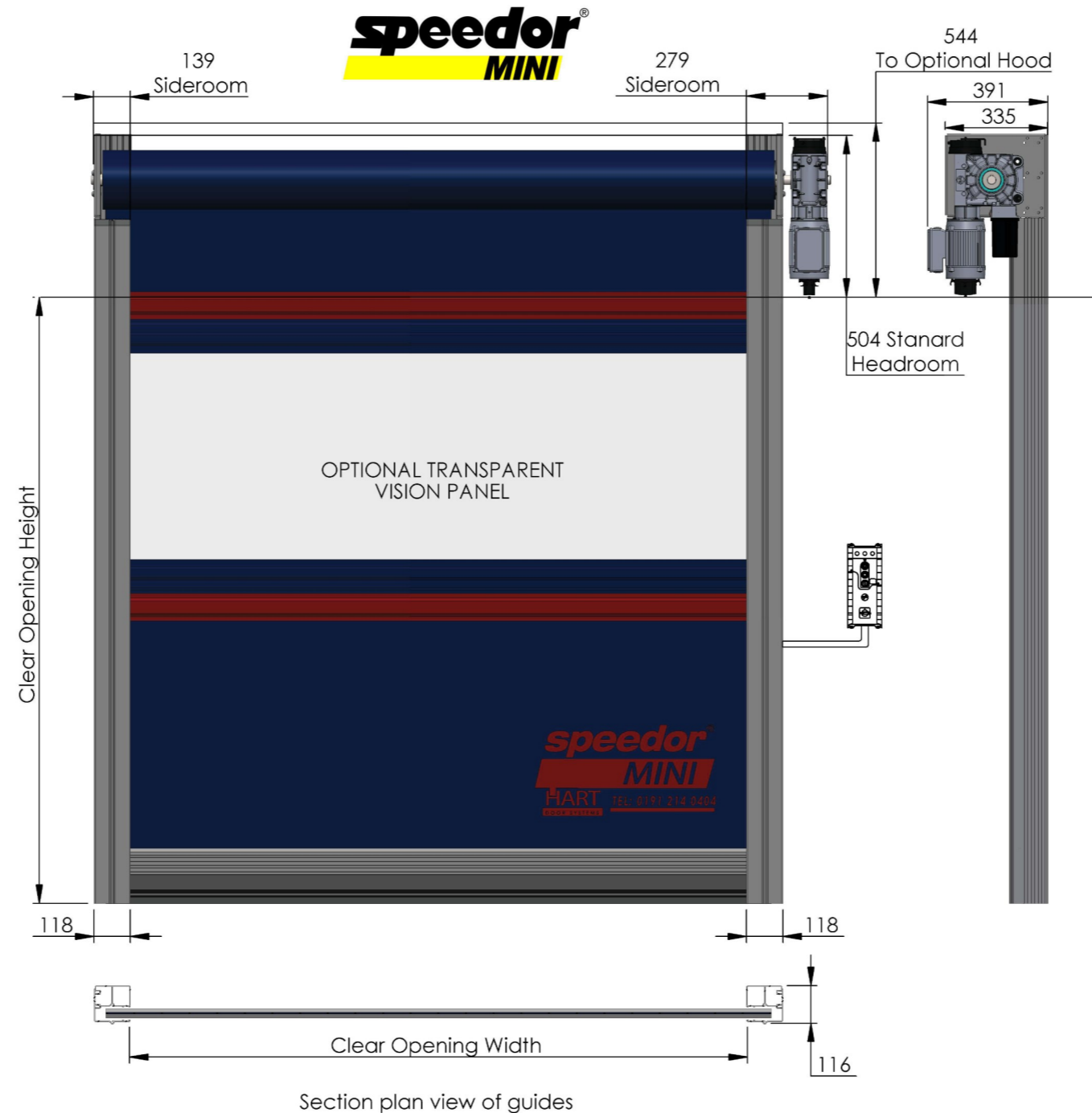
Manufactured to ISO 9001:2015 standard. The machinery directive safety in use for power operated doors, BSEN 12453 & 12444 and safety devices for power operated doors BSEN 12978. Requirements for the safe installation and use BSEN 12625.

### Installation:

Hart Door Systems offer complete manufacture, supply, install and commission services. All works will be completed to ISO 9001 which includes IEE regulations.

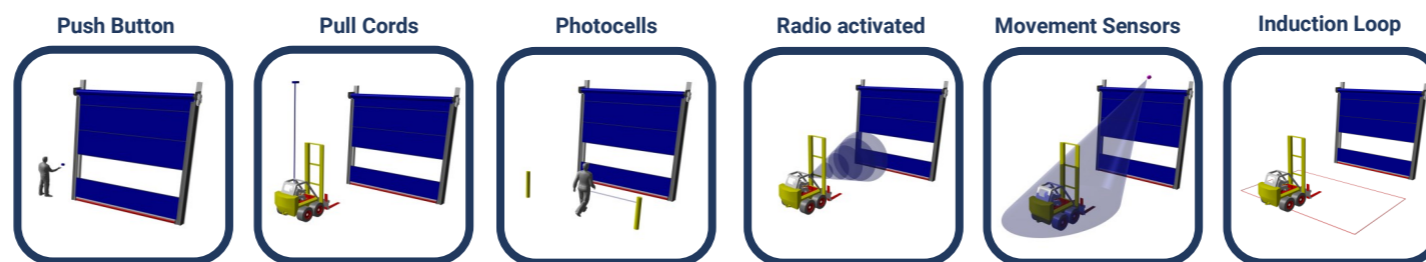
### Metal Hoods Covers and Infill's options:

Barrel hood, motor hood and infills can be supplied as optional items depending on requirements. Available in stainless, galvanised or powder coated steel finishes.



### Door Activation :

System operators are used to open the door, Any of these operators can be used individually or in conjunction with others. They can be used to exclude pedestrians, be a security barrier or open for all. Please Note: Major benefits come with full automatic door by providing efficient throughput of vehicles and staff whilst giving major energy savings and environmental improvements.



### Motor Drive & Speeds:

Hollow shaft direct drive unit incorporating a safety brake and digital limits. Compliant to BS:EN 12453:2001. Special environment options including IP65i drives and further enhanced protection for harsh environments.

Emergency operation via crank handle.

Industry standard availability.

Power supply and speed options			
Power supply	Drive	Speed up	Speed down
Single phase 240V.	variable speed	1.2	0.66
3 phase + N. 415V.,	Single speed	.66	0.66

### Control panel:

TS971 state of the art 24V controls includes open, close and stop buttons, wireless receiver, two programmable relays and 24V power supply. Compatible to control options including loop cards, radio control, traffic lights, wireless safety edges, pull cords etc. IP65 enclosure certified to BS EN 12453, digital display fault indication, operations cycle counter and programmable door maintenance indicator. Option for air lock controls.



### Safety Systems and HSE requirements:

The standard door system includes a category D (exceeds E) safety light curtain within an IP67 enclosure which protects the required area of 2.5M in height from floor level to conform to BSEN 12453:2001 providing a contactless safety system.

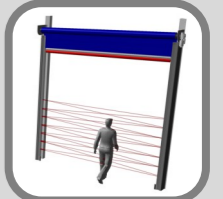
#### Standard Safety Light Curtain

**Option:** safe edge with radio wireless connection control to protect the entire opening if oversized transport with projecting booms, like diggers, use the opening.

Additional safety system options providing the ultimate in pedestrian safety via non-contact movement or movement and presence detection positioned on either side of the door.

Risk assessment is recommended for pedestrian use, evaluating volume, whether trained operatives or public using the door.

Further options include traffic or warning light and or Klaxons.



### Optional Items:

- Single or variable speed
- Clear vision panel
- Fabric weight option
- Barrel and motor cover
- Traffic or warning lights
- Airlock facility with other doors
- Low level hand chain
- Electric environmental upgrade
- Alarm if door left open after set amount of time.
- Audible warnings



www.hartdoors.com

info@hartdoors.com

