

INDUSTRIAL DOORS

# RapidRoll

FAST-ACTION  
INDUSTRIAL DOORS

**ster**til®

**DOOR**  
P R O D U C T S



**STERTIL**  
SUPERIOR SOLUTIONS BY  
QUALITY PEOPLE

# Superior solutions by quality people



The Stertil Group provides customised and technically advanced solutions for all loading bay equipment (Stertil Dock Products) and building access solutions (Stertil Door Products) as well as being market leader in heavy duty lifting equipment. Through our own service organisation, Stertil provides the best possible service available.

These superior solutions are conceived, developed and implemented by a team of professional specialists with unique expertise. Stertil's quality people make the difference in the production and installation of the products, making Stertil a worldwide leading company in loading bay and industrial door solutions.



## INTRODUCTION

RapidRoll are fast-action industrial doors designed for high-traffic areas where fast operating speed and frequency of use are major requirements. Individual product specifications are available giving technical details for each model.

## FEATURES AND BENEFITS

### • INTENSIVE USE

Doors are engineered for mechanical reliability to operate intensively at high frequency, many times a day.

### • FAST ACTION

Doors operate at high speed, achieving frequent use whilst minimising transit time when the door is actually open. Opening speeds up to 3.2m/sec are possible.

### • RAPID PAYBACK

Speed of operation means that the doors are open for the minimum time. Thus energy loss from the building is minimised, saving fuel and heating (or refrigeration) costs. Depending on circumstances, payback period can be as little as 12 months. We can provide a cost analysis for specific situations to demonstrate savings.

### • ENVIRONMENTAL BENEFIT

Energy conservation also has environmental benefits, contributing to reduced fuel consumption and reduced CO<sub>2</sub> emissions.

### • SAFETY

Doors include numerous safety features to protect operating personnel including contact or non-contact safety edges, photocell detectors etc.

### • ANY APPLICATION

A wide choice of features means that there is a RapidRoll door to suit any high-frequency application. Suitable for all vehicles, fork lifts and pedestrian access, and machine guarding.

### • SPECIAL USES

Doors are suitable for many special industrial uses such as food processing, pharmaceuticals, clean rooms, mining, waste recycling etc.

### • COMFORT CONDITIONS

Rapid action and short open times help to improve staff working conditions by maintaining internal temperatures, and reducing entry of pollution, dust, vermin and noise.

### • RANGE OF ACTIVATION SYSTEMS

A wide range of activation systems enables the maximum benefit to be obtained from the high speed and operating frequency of RapidRoll doors.

### • STANDARDS COMPLIANCE

Doors comply with and generally exceed applicable European harmonised standards including EN 13241-1, and are CE marked. Doors are supplied under an ISO 9001 quality assurance system.

# RapidRoll Fast-action doors

## RAPIDROLL DOOR RANGE

### RAPIDROLL 3000 SERIES

High-speed roller doors with aluminium (or aluminium/PVC) sectional curtain for greater security and insulation.

Type	Features	Internal/ external	Opening size, max width x height (mm)	Wind rating*	Speed open	Speed close
3000	Top of the range door with all-aluminium curtain	Int or Ext	7000 x 5000	3	2.5 sec	0.7 sec
3000 R	As 3000 but designed for limited headroom or sideroom	Int or Ext	6000 x 3000	3	2.0 sec	0.5 sec
3000 GL	For max. transparency 70% of door curtain utilises clear poly carbonate vision panels in anodised alum. profiles	Int or Ext	5000 x 5000	3	1.8 sec	0.7 sec

### RAPIDROLL 300 SERIES

High-speed doors with a wide range of features and options, to suit internal and protected external applications.

Type	Features	Internal/ external	Opening size, max width x height (mm)	Wind rating*	Speed, up to (m/s) open	Speed, up to (m/s) close
392	Entry level for larger doors	Int or Ext	6000 x 6000	2	2.2	0.9
355	Improved safety with Steril Door Products touchless safety beam (STS)	Int or Ext	4000 x 4200	2	2.5	1.0
300 Plus	Use where there is an air pressure difference, eg clean rooms	Int or Ext	4000 x 4200	1	2.2	1.2
300	Choice of finishes	Int or Ext	3500 x 3500	1	2.0	1.0

### SPECIAL APPLICATIONS

Type	Features	Internal/ external	Opening size, max width x height (mm)	Wind rating*	Speed, up to (m/s) open	Speed, up to (m/s) close
Clean room	Stainless steel and improved seal to minimise air leakage	Int only	3000 x 3000	NA	2.0	1.0
Food	improved hygiene for food processing areas	Int only	4000 x 4000	NA	2.2	1.0

\*Wind resistance class to EN 12424 (higher number = better wind rating).





# RapidRoll features

The following features are available as standard or options according to door series and model.



## INTELLIGENT DOOR CONTROL SYSTEM



MCC<sup>VectorControl</sup> intelligent motor control technology ensures smooth acceleration and movement, extending the door life. Modular, software-based system allows control features to be added or re-configured.

**High Speed Action** The MCC<sup>VectorControl</sup> system provides outstanding operational characteristics - high speed and fast cycling times, with power boost for high opening speed. Opening speeds up to 3.2m/sec and open/ close cycles of twice per minute (or more) are possible. Engineered for demanding applications with unlimited cycle rating.

## DISCDRIVE WINDING



3000 Series: Unique DiscDrive mechanism prevents door profiles from touching as the door opens. This limits noise and wear on the doors, promoting frequent high-speed operation with long life.

## WIND RESISTANCE



All door types have been tested for wind resistance, and can achieve up to Class 3 to EN 12424 (72mph hurricane resistant) depending on model. Various optional features can contribute to wind resistance including the balancing / tensioning system, wind tabs, stiffeners and bottom rail beam stopper. Optional flexible PVC bag seal to bottom rail for uneven floors.

## SAFETY SYSTEMS



All doors incorporate safety systems to prevent closing if there is an obstruction in the door path.

### Contact safety edge

A self-testing contact stop and return safety edge is standard.

### Touchless safety edge

As an optional alternative, the STS Steril Door Products touchless (non-contact) safety edge system (using a pre-running photocell) stops and reverses the door before actual contact with an obstruction, providing maximum personnel safety and less risk of damage to goods.



### Safe control

All activation devices can be linked to safety systems.

### Door line photocell

A photocell in the door line prevents closing if the opening is obstructed. Additional protection by multiple photocells or infra red sensor can also be provided.

### Drop-down protection

Prevents an open door from dropping if there is a control or power failure.

## CURTAIN TENSIONING SYSTEM



The door design ensures that the door curtain is balanced and tensioned at all times to provide integral wind resistance. The system allows the door to be both opened and closed under power, for faster operation.

The combined spring balancing and tensioning technology provides smoother performance\*, less drive wear, and improved integrated wind resistance. \*Only optional on the 300 plus.

## CONTROL PANEL



Control panel with up/down/stop keypad as standard. Graphical user interface with selfdiagnostic fault display is available for certain control panels, reducing the need for service call-outs. Interactive digital display for easy configuration and multifunction control incorporating error rectification advice using simple text format.

## EMERGENCY SELF-OPENING



In the event of a power failure the door can be opened by operating a release handle (accessible at floor level, one or both sides). On entry level models, emergency opening is by hand crank. On other models, the door opens partially by tension springs, and can then be further opened manually or automatically (depending on model), to allow access or exit.

## DOOR COMPONENTS



### Side frames

Door side frames are self-supporting and only require fixing at door head and to the floor.

### Motor and barrel covers

Optional covers provide greater safety and cleanliness as well as a smarter appearance. It is a CE requirement that all doors up to a height of 2500mm have motor and barrel covers. Motor position may be right or left hand.

## IMPACT PROTECTION (3000 SERIES)



Any impact damage to the aluminium profiles is localised and not transferred to the whole door construction. Individual sections can be quickly and easily replaced in the event of damage.

## IMPACT PROTECTION (300 SERIES)



The door stops automatically if an impact causes the bottom rail or curtain to break out of the side frames, reducing the risk of damage to the door and to the impacting vehicle. The door can be easily reset in the side frame, either automatically or by hand (depending on model).

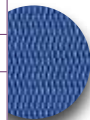
# RapidRoll features

The following features are available as standard or options according to door series and model.

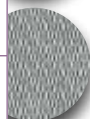


## CURTAIN COLOURS

Material	Standard	Options
RollTex® Original	RAL 5002 blue RAL 2009 orange RAL 7001 grey	Painted to any RAL colour
RollTex® Plus	RAL 5002 blue RAL 2009 orange RAL 7001 grey	-
NomaTex®	RAL 5005 blue RAL 2009 orange RAL 7038 grey	-
NomaTex flame retardant	Silver	-
Reinforcing strips to PVC doors	RAL 3002 red RAL 5002 blue	RAL 9016 white RAL 1014 beige RAL 7035 grey RAL 1021 yellow RAL 2011 orange RAL 6018 light green
3000 Series	Anodised aluminium	Any RAL colour coating



RollTex Original, course



RollTex Original, fine



RollTex Plus



NomaTex Inside



NomaTex Outside



PVC with coloured strip

## DOOR CURTAINS

### 300 SERIES

**RollTex®** is a durable, puncture- and chemical-resistant material suitable for the most demanding applications providing the highest tensile strengths currently available. This unique patented textile is engineered using interwoven monofilament fibres and can be either heat impregnated with acrylic - RollTex Original, or PVC coated - RollTex Plus. RollTex Original is available with either a course or fine surface texture. Either surface is suitable to print a Company logo.

**NomaTex®** is a double layer PU/PVC coated material offering a smooth 'wipe down' surface ideal for the food industry.

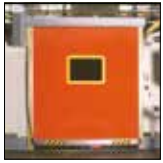
**Transparent PVC** can provide through-vision over the full height of the door. PVC curtains are UV-stabilised and have coloured reinforcement/visibility strips.



## VISION PANELS



Available in RollTex and NomaTex; 500 x 700mm, horizontal or vertical in door curtain. Only available in NomaTex; 750mm high horizontal vision panel across door width. Only available in PVC; vertical high visibility vision strips.



## 3000 SERIES

3000 and 3000R door curtain comprises flexible aluminium sections which are linked without hinges. This provides more security than 300 Series doors, allowing use as the sole external door. It also provides more insulation and noise protection.

Optional vision panels. The 3000GL is of a lighter weight and comprises alternate aluminium and transparent Polycarbonate profiles, giving many of the advantages of all-aluminium curtain but with high through-visibility.



Alum. section



Vision Pane

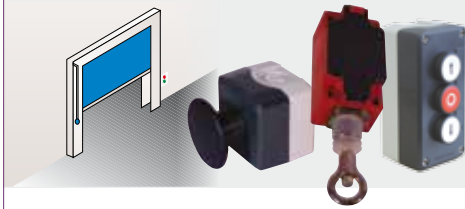


Full glaze

## ACTIVATION SYSTEMS

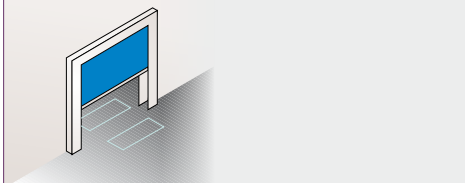
A range of activation systems can be supplied to maximise the effectiveness of RapidRoll doors.

### MANUAL



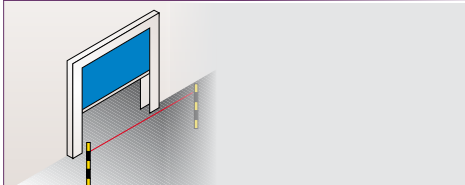
Push button pads incorporating auto timed close function are standard. Pull cord, both wired and wireless, and key-operated switches are also available.

### INDUCTION LOOPS



The door opens automatically with closure after a time delay. Induction loops are set in the floor on one or both sides of the doorway, and can be tuned to optimise operation for the type of traffic. Can also be configured to cut out the effect of passing cross traffic. Not actuated by pedestrians.

### PHOTOCELLS



Set on both sides of the doorway to initiate opening and closing, as well as providing additional safety. Typically mounted on posts or handrails to suit the flow of traffic.

### TRAFFIC AND WARNING LIGHTS

These can be linked to door operation for additional safety in working. Audible alarms can be used to warn of traffic approach or door movement.



### RADAR



Initiates opening and closing, and may also act as a safety detector. Detects both vehicle and pedestrian traffic. Normally fitted above or at one side of the doorway, and range can be set at up to 10m. Can be tuned to suit directional traffic flow and for object shape/size sensitivity.

### RADIO OR INFRA RED TRANSMITTERS



Hand-held or truck-mounted activation transmitters, with the receiver normally mounted in the door control panel. Codes can be preset so that doors can only be operated by authorised personnel.

### TOUCHLESS HAND FREE DETECTOR

Activation of door by movement of hand.



### AIR LOCK' CONFIGURATION



To provide maximum control of heat loss, a pair of doors can be installed and set to operate in sequence so that only one is open at a time, forming an 'air lock'. Any automatic or manual activation system can be used, combined with traffic lights or audible alarms.



## SERVICES

### SELECTION AND ADVICE

Technical representatives are available throughout the UK to discuss your requirements and advise on suitable door types. Contact us at the address below or use our online enquiry form at: [www.stertil.co.uk](http://www.stertil.co.uk).

### INSTALLATION AND MAINTENANCE

Detailed installation drawings and technical specifications can be supplied in hard copy, upon request, or can be downloaded from our [www.stertil.co.uk](http://www.stertil.co.uk) website. Doors are installed by our own fully trained and experienced engineers, based throughout the UK. We can offer contracts for regular planned maintenance, as well as a 24-hour emergency repair service.

### 5-YEAR WARRANTY

Our confidence in our product quality and service is demonstrated by our offer of a 5 year warranty.

### STERTIL DOCK PRODUCTS & LOADING BAY EQUIPMENT INCLUDES:

- Dock Shelters & Seals
- Dock Levellers
- Vehicle Restraint Systems
- Other Dock Equipment e.g. Traffic Lights, Bumpers, Wheel Guides
- Scissor Lift Tables

### STERTIL DOOR PRODUCT RANGE INCLUDES:

- Rapid Roll Fast Action Industrial Doors
- FlexiEdge Fast Action Industrial Doors
- Thermadoor Sectional Industrial Doors
- Roller Shutters
- Personnel Doors



Stertil UK Ltd.  
 Stertil House, Unit A  
 Brackmills Business Park  
 Caswell Road, Northampton, NN4 7PW  
 Tel. 0870 770 0471  
 Fax. 01604 765181  
[info@stertil.co.uk](mailto:info@stertil.co.uk)  
[www.stertil.co.uk](http://www.stertil.co.uk)  
 Facebook: Stertil Dock Products    Twitter: @Stertil

A member of the Stertil Group

RapidRoll-08-2016 UK / Stertil is a registered trademark of Stertil B.V.. We reserve the right to make changes in specifications without notice and without making changes retroactive.