



sara[®]



Data Sheet High Performance Door **Sprint 3000 R**



The Roll Door with DiscDrive™ Technology

The Sprint 3000 R enhances security, increases operational savings, lowers maintenance cost and offers reliable performance in high traffic areas

The unique DiscDrive technology provides extraordinary speed while reducing excessive wear, vibration and noise during operation

Smaller barrel, side frames and integrated drive unit make this door perfect for applications with limited head and side room clearances



MCCVectorControl
Next generation of intelligent
door control systems by
sara / Loading Bay Specialists Ltd.

INTERIOR ● EXTERIOR
PROCESS ● SERVICE

ADVANTAGE OF SPRINT 3000 R

- Smaller barrel, side frames and integrated drive unit allows installation into applications with limited head and side room clearances.
- Patented DiscDrive technology prevents metal to metal contact as the door profiles wind onto the barrel. This reduces excessive wear, vibration and noise in high-cycle door operations.
- Low maintenance. The Sprint 3000 R has fewer moving parts than other high speed rolling doors. No hinges, wheels or rollers that can be expensive to replace. Fast opening and closing speeds. Saves on utility costs by reducing energy losses.
- **sara** 'non-contact safety beam detects an object in the door path and reverses the door before the bottom edge can make contact with equipment, vehicles or personnel.

APPLICATION

- High-cycle and high traffic areas where operational reliability is critical and security/access control is a primary requirement.
- Door openings with restricted head or side room areas.

DESIGN

- Unique disc modules built into the top header wind the profiles of the door onto the barrel without the profiles making contact with each other. The result is less wear on the door profile and operating components.
 - A counterbalanced tensioning system provides smooth operation.
 - In the event of a power failure the manual release handle (bowden lever) enables the door to be opened.
- The side frames are painted 11 gauge galvanised steel with bolt on covers providing an attractive appearance to protect the door counterbalance and tensioning system.

DOOR CURTAIN

- The door panel consists of anodised aluminium profiles mounted individually without hinge connections or rollers.
- Flexible rubber provides a tight weather seal between profiles and helps the door panel minimise damage in the event of an accidental impact.
- Aluminium profiles enhance wind resistance.
- Individual door profiles can be quickly and easily replaced if they become damaged.

DRIVE UNIT

Gear motor. Position can be chosen right or left-hand.

CONTROL SYSTEM

MCC^{VectorControl} frequency converter control system.
Please refer to technical data.

MANUAL ACTIVATION (BOWDEN LEVER)

In the event of a power failure the door can be operated by releasing the brake manually. Depending on the width/height ratio, the door opens partly by means of the pre-stressed tension springs.

SAFETY FEATURES

The door is designed according to the Workplace Directive of the UVV regulations and the harmonised CE Guidelines including EN 13241-1.

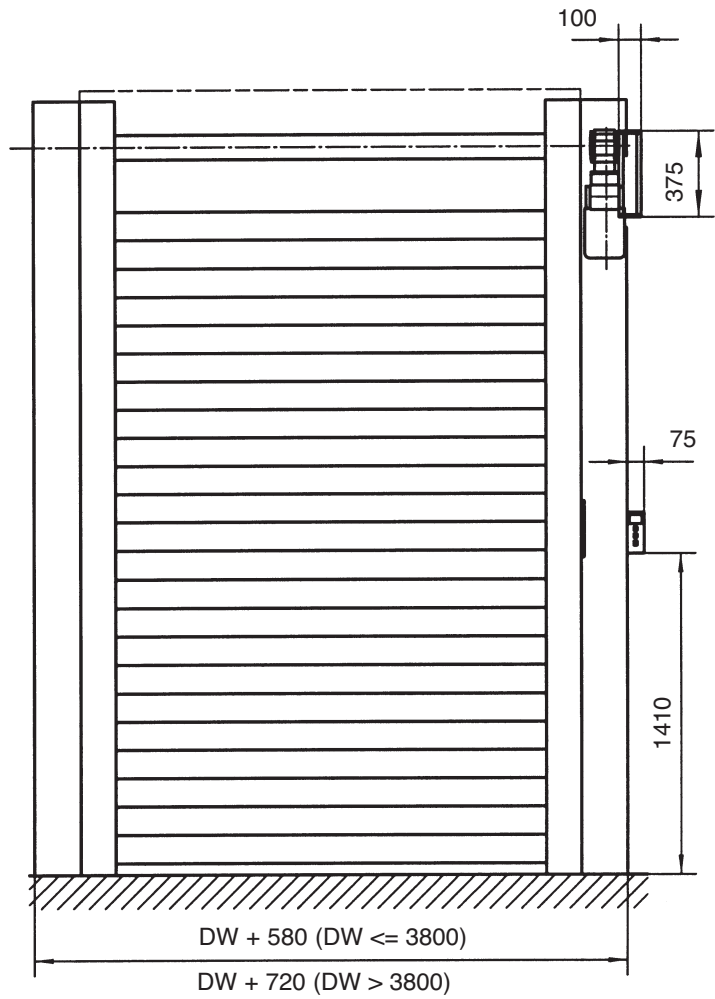
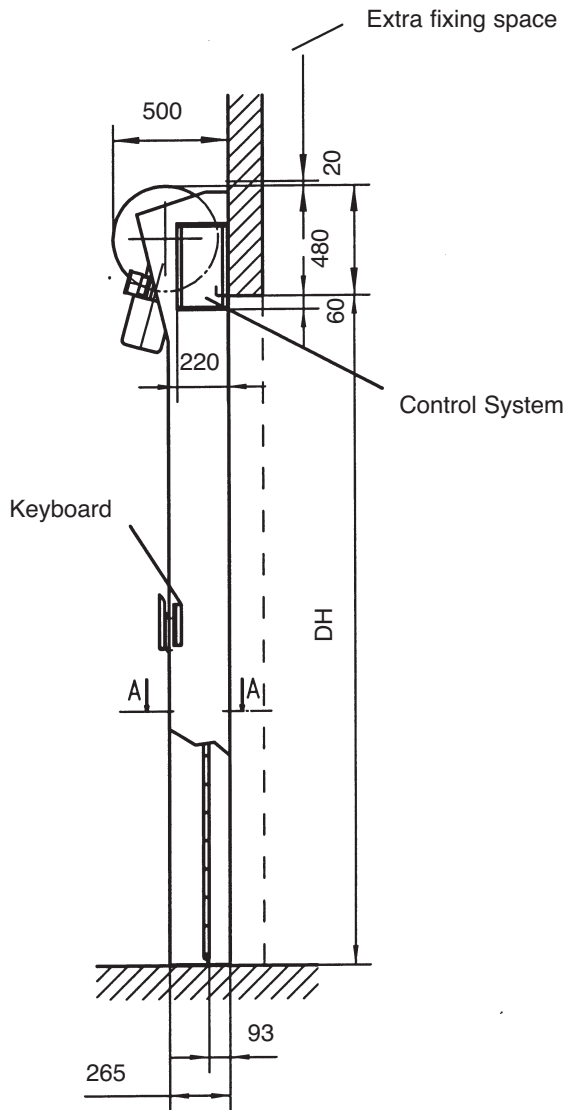
RISK ASSESSMENT

The security of the door is designed for normal use for vehicles in an industrial environment corresponding to the harmonised CE-Guidelines. In consideration of the situation on site, especially in the case of pedestrian use, additional safety measures, such as additional activators may be advisable. In addition, special environmental conditions may affect the right choice of door type. For more information or to schedule an on-site inspection, please contact **sara**.

Technical Data	Sprint 3000 R
Exterior door	suitable
Interior door	suitable
Machine protection	suitable
Laser protection	suitable
Wind resistance	class 3 - EN 12424
Mounting position	inside
Door dimension (mm)	For details please note general drawing
DW min. / max.	600 / 6000mm
DH min. / max.	1500 / 3000mm
Opening direction	vertical
Surface side columns	
Galvanised steel	✓
RAL colour paint	•
Aluminium (front covers)	•
Covers	
Motor cover (aluminium)	• ¹⁾
Barrel cover (aluminium)	• ¹⁾
Door curtain	
Anodised aluminium	✓
Insulation	•
Coloured profiles (RAL)	•
Profiles with windows	•
Deeper flexible seal	•
Drive unit	electrical
Motor power	1,1 kW
Control system	MCC ^{VectorControl}
Dual opening height	✓
Potential free contacts	•
Fuse protection	12 A (internal)
Control voltage	24 V DC
Protection degree	IP 55
3L/(N)/PE 380/400/415/440/480V; 50/60 Hz	✓ ²⁾
Safety	
sara 'non-contact' safety beam	✓
Door line photocell	✓
Safety contact edge	•
Curtain tension	✓
Counterbalance	✓
Self opening (partial)	✓
Manual activation	✓
(with bowden lever operated from the floor)	
Bowden lever outside	•
Speed	
Open/close up to	2,0 / 0,5 m/s
Opening frequency in continuous operation	
≤ 2 per minute	✓
> 2 per minute	•
Traffic light function	
Without direction detection	✓ 24 V DC
With direction detection	✓ 24 V DC
Flashing alarm light	✓ 24 V DC
Error message	✓ plain text
✓ Standard • Option — currently not available	

¹⁾ For doors of height ≤ 2500 mm the use of barrel and motor cover is required according to standard EN 13241-1.

²⁾ Transformer necessary for 220/230/500V.

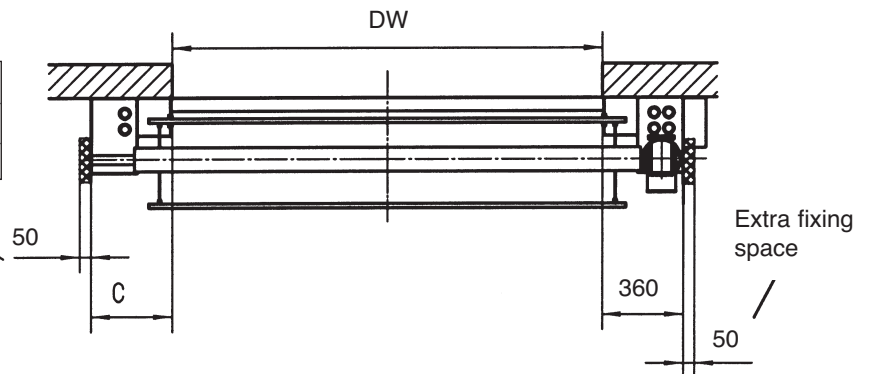


View A - A



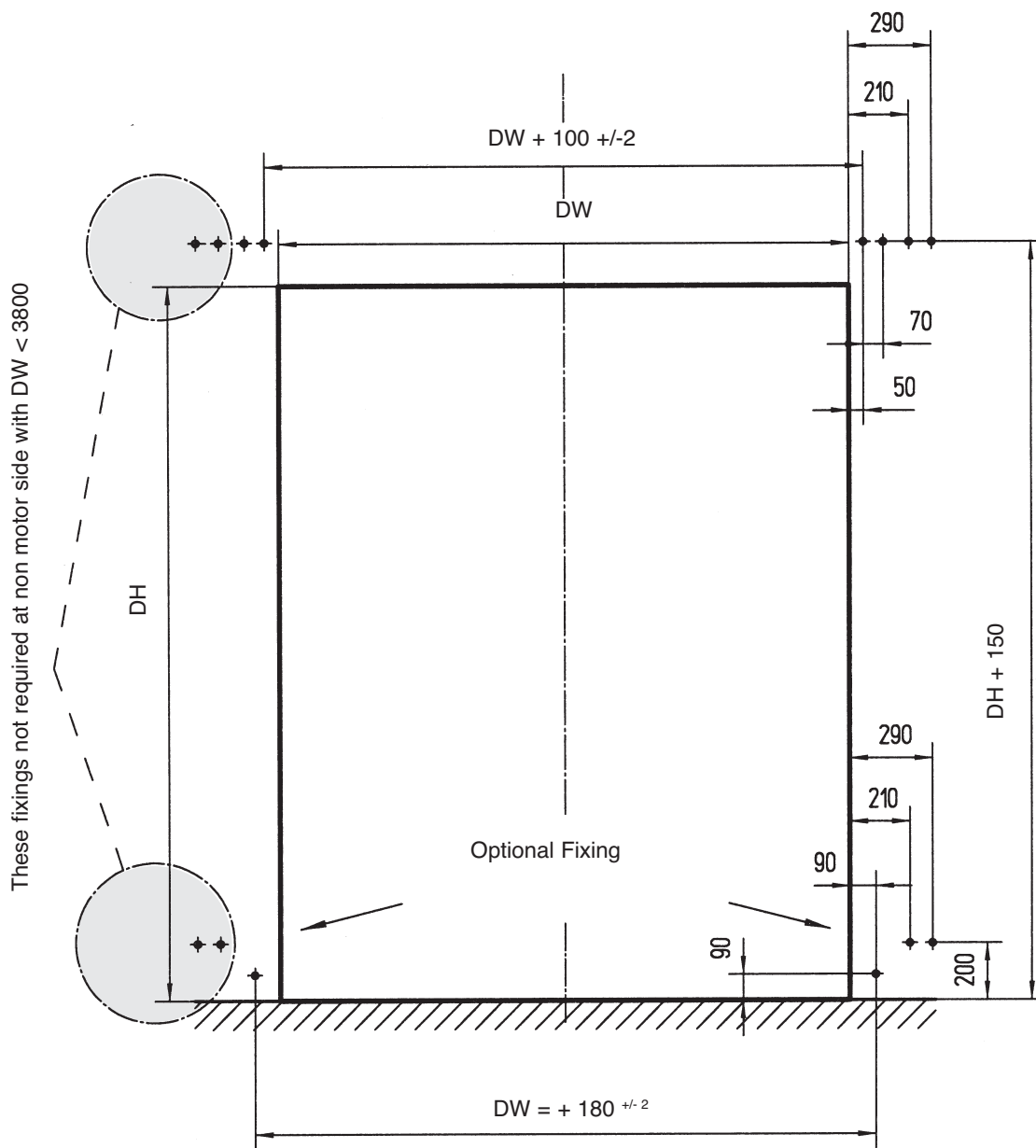
DW	C
≤3800	220
>3800	360

Extra fixing space

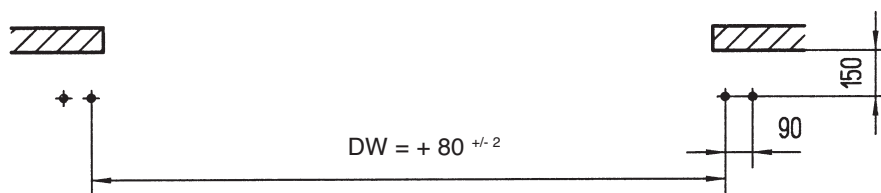


Fixing Plan Sprint 3000 R

(Right hand motor shown)



Fixing screws M12 or comparables



DISCDRIVE™
The DiscDrive™ technology prevents metal to metal contact as the door profiles wind onto the barrel, reducing excessive wear, vibration and noise.

MOTOR POSITION
Available left or right hand side.

BARREL COVERS¹⁾
Optional barrel covers are available for additional door protection.

AESTHETICALLY PLEASING
The sleek aluminium door design and additional colour choices give the door a pleasing appearance.

SIDE FRAMES
The side frames are made of galvanised steel with bolt on covers to provide an attractive appearance and protect the door counterbalance and tensioning system.

SIZE REDUCTION
A smaller DiscDrive unit reduces the overall size of the barrel.

WEATHER SEALS
Flexible rubber provides a tight weather seal between each profile and helps minimise damage in the event of accidental impact.

CURTAIN
The door panel consists of anodised double-walled aluminium profiles mounted individually without hinge connections or rollers.

WIDTH OF THE SIDE FRAME
Doors less than 3800mm wide use springs only on the drive side frame. This reduces the non-drive side frame to 220mm.

sara 'NON-CONTACT' SAFETY BEAM
The patented pre-running photocell detects an obstruction before contact.

COUNTERBALANCED TENSIONING SYSTEM
A counterbalanced tensioning system provides smoother operations and enables manual opening of the door in the event of a power failure.

ACTIVATORS

Individual applications can include additional safety devices. Activators such as infrared, radar detectors, push buttons, vehicle induction loops or radio transmitters can be added to the control system. Please contact **sara**.

Note:

¹⁾ For doors of height ≤ 2500 mm the use of barrel and motor cover is required according to standard EN 13241-1.



Products shown may include additional options.



DISCDRIVE™
This patented technology reduces excessive wear, vibration and noise during high-cycle operation.



ANODISED ALUMINIUM PROFILES
The door curtain consists of double-walled aluminium profiles. Optional window profiles are available.



INTERCHANGEABLE DOOR PROFILES
Individual profiles can be replaced if they become damaged.



sara 'NON-CONTACT' SAFETY BEAM
The patented pre-running photocell detects an obstruction before contact.



Doors less than 3800mm wide use springs only on the drive side frame. This reduces the non-drive side frame to 220mm.



In the event of a power failure the door can be operated by releasing the brake manually. Depending on the width/height ratio, the door opens partly by means of the pre-stressed tension springs.

Products shown may include optional accessories.



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All specifications subject to change without notice

