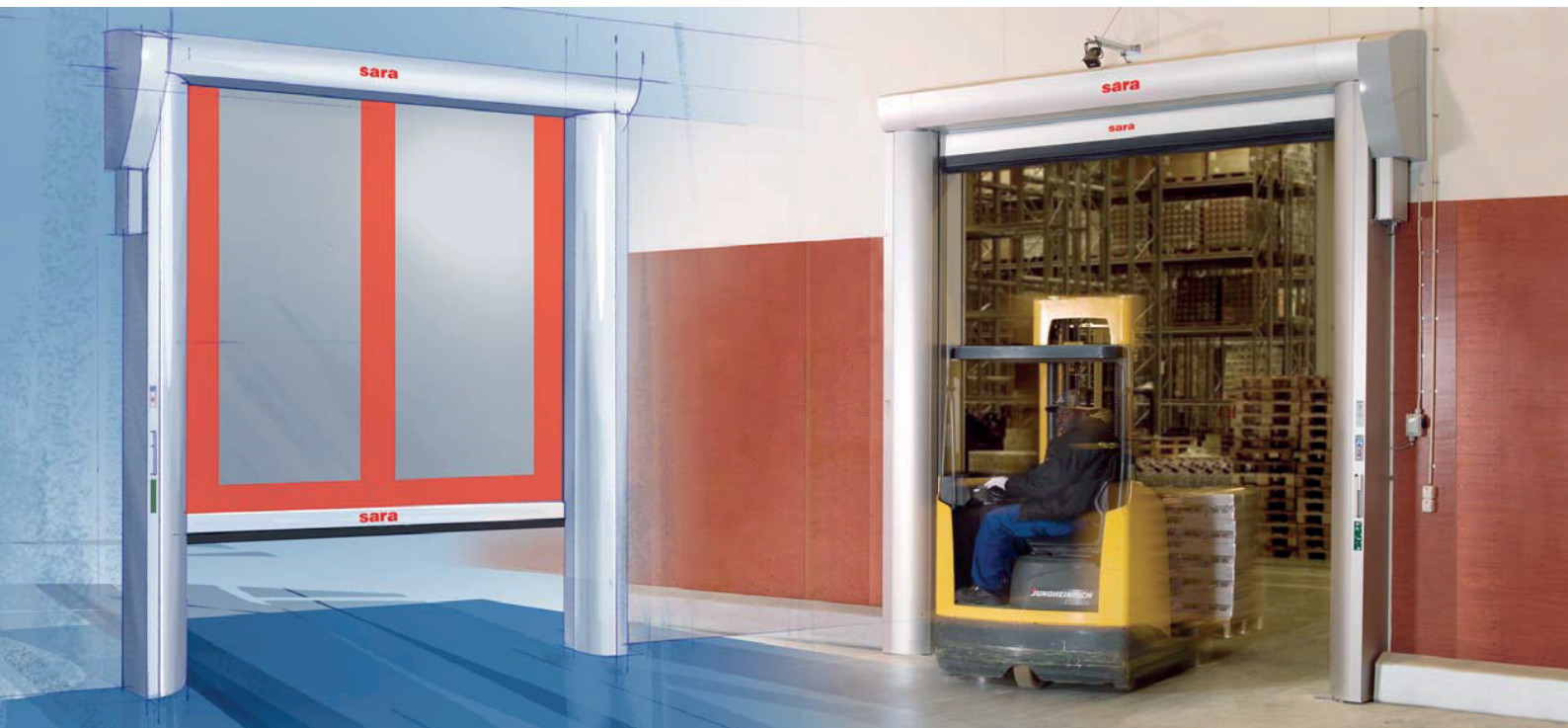


Sprint 600

High Performance Door



Engineered Elegance with State-of-the-Art Technology

- The Sprint 600 uses a modular design to provide superior operation
- Fast opening and closing speeds improve workflow and lower utility and maintenance costs
- High wind resistance, substantial safety features and reliable performance in high traffic areas



INTERIOR

EXTERIOR

PROCESS

SERVICE



ADVANTAGES OF SPRINT 600

- Modular design concept enables the door to be custom configured for a variety of applications
- Opening speeds up to 3,2 m/s
- MCC^{Vector Control} System is flexible, modular and programmable
- Advanced safety features reduce the chance of harm to people, product and equipment
- Balancing and tensioning system provides smooth operation and controls door movement by adding constant tension to the door curtain
- Contoured design integrates style and technology for a bold modern look
- wind rating up to class 3 (33 m/s)

APPLICATIONS

- to separate rooms and environments in interior positions
- saving energy and avoiding air draughts
- as an exterior door for demanding outside conditions

DESIGN

Side frames made of anodised aluminium on both sides of the curtain guide its upward and downward motion. The simple hinge principle of the side frame assures quick and easy opening for maintenance and service access. A barrel cover made of anodised aluminium protects the barrel. A counterbalance tensioning system provides smooth operation.

DOOR CURTAIN

The standard door curtain is transparent PVC with reinforcement stripes for extra safety. As an option RollTex[®] fabric curtain can be specified in a range of colours.

COUNTERBALANCE, CURTAIN TENSION SYSTEM

The counterbalance system is achieved by means of tension springs. Additionally, the combined curtain tension system assures a firm and taut curtain regardless of high wind loads.

KNOCK-OUT CAPABILITY

A self-repairing knock-out capability is available as an option.

DRIVE UNIT

3 phase brake motor and hollow shaft gearbox mounted directly on the barrel shaft. The drive has a flexible connection to the side frame by a torque arm. A pulse encoder provides the control system with information about the door curtain movement direction, speed and position. The dynamic brake function is effected electronically. Drive unit position can be chosen right or left side.

CONTROL SYSTEM

Innovative frequency converter control system type MCC^{VectorControl}. Integrated design: Control system mounted at the side frame close to the motor. Graphical user interface with control buttons integrated in the side frame. 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

The door is equipped with a **sara** 'non-contact' safety beam detecting people or objects, reversing the door before contact or alternatively an electric self-testing safety edge. The door is also supplied with an integrated door line photocell. As option an integrated IR detector in the barrel cover or an integrated light curtain in the side frame can be chosen.

SAFETY FEATURES

The door is designed according to the regulations of the Workplace Directive of the UVV as well as the harmonised CE Guidelines including the 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 case of use by pedestrians, additionally safety measures, like additional activators may be advisable. In addition, special environmental conditions may have impact on the right choice of door type. In case of any doubt, please contact **sara**.

The Sprint 600 is based on a completely modular system. The table below shows the specification of two basic configurations that can be widely modified to almost any application.

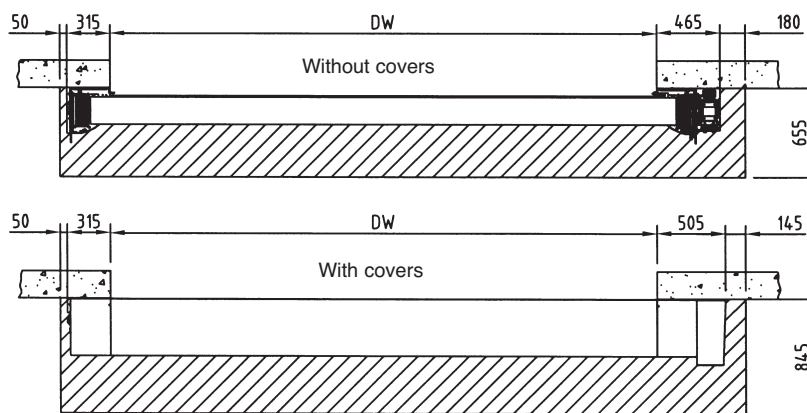
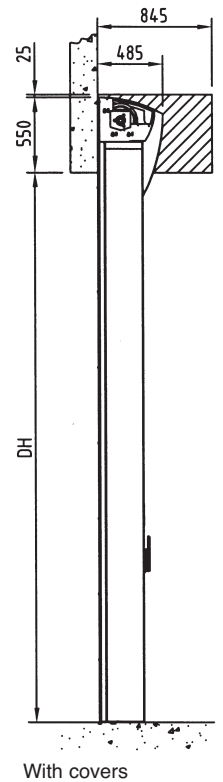
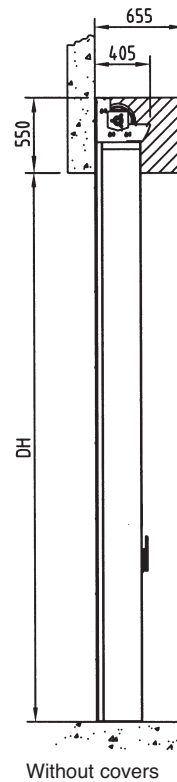
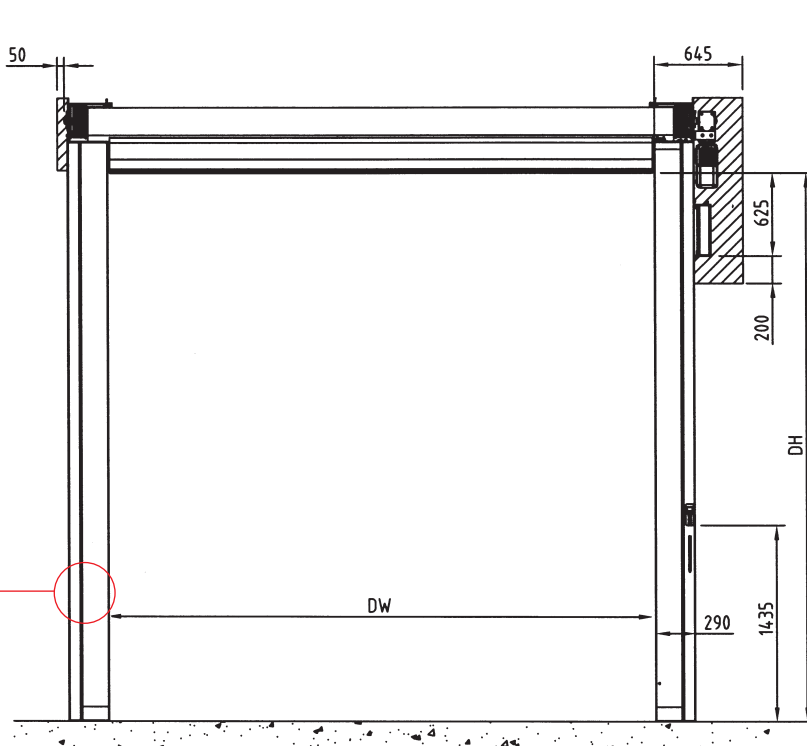
Technical Data	Base	Ultra
Exterior door	—	suitable
Interior door	suitable	suitable
Wind resistance (EN 12424)	class 1	class 3
Mounting position	inside or outside	
Door dimension	For details please note general drawing	
DW min. / max.	1500 / 6000mm DW > 6000mm on request	
DH min. / max.	2000 ¹⁾ / 6000mm	
Opening direction	vertical	
Surface		
Side frames	anodised aluminium	
Bottom profile	anodised aluminium	
Barrel		
- without wind tabs	✓	—
- with wind tabs	—	✓
Covers (optional)		
Cable drum covers	● ¹⁾	● ¹⁾
Motor cover (Painted steel)	● ¹⁾	● ¹⁾
Barrel cover	● ¹⁾	● ¹⁾
Door curtain		
PVC with coloured reinforcement stripes	✓	✓
PVC with coloured silicon free stripes	•	•
RollTex [®] Original	•	•
RollTex [®] Plus	•	•
Wind tabs	—	✓
Drive unit	electrical	electrical
Control system	MCC ^{VectorControl}	MCC ^{VectorControl}
Motor power	1,1 kW	1,1 kW
Additional opening height	•	•
Potential free contacts	•	•
Fuse protection	12 A	12 A
Control voltage	24 V DC	24 V DC
Protection degree	IP 55	IP 55
3L(N)/PE 380/400/415/440V, 50/60 Hz	✓	✓
Safety		
sara 'non contact' safety beam	✓	✓
Electrical safety contact edge	•	•
Door line photocell	✓	✓
Light curtain (integrated)	•	•
Curtain tension	✓	✓
Counterbalance	✓	✓
Drop-down protection (tension springs)	✓	✓
Knock-out capabilities		
- Self Repairing Door (SRD)	● ²⁾	—
- With automatic reset	•	•
Self opening, (partial)	✓	✓
Manual activation (with bowden lever operated from the floor)	✓	✓
Sealing bag on bottom profile	•	•
Barrel sealing	✓	✓
Bottom rail stopper	•	✓
Brush sealing between side frame/curtain	● ³⁾	● ³⁾
Speed		
Open/close up to	3,2 / 0,8 m/s	3,2 / 0,8 m/s
Traffic light function		
With/Without direction detection	✓ 24 V DC	✓ 24 V DC
Flashing alarm light	✓ 24 V DC	✓ 24 V DC
Error message	✓ plain text	✓ plain text

✓ Standard • Optional — Not possible

1) For doors with DH ≤ 2500mm cable drum-, barrel- and motor-cover are required according to the standard EN 13241-1.

2) Only available with electric self-testing safety edge with curly cable

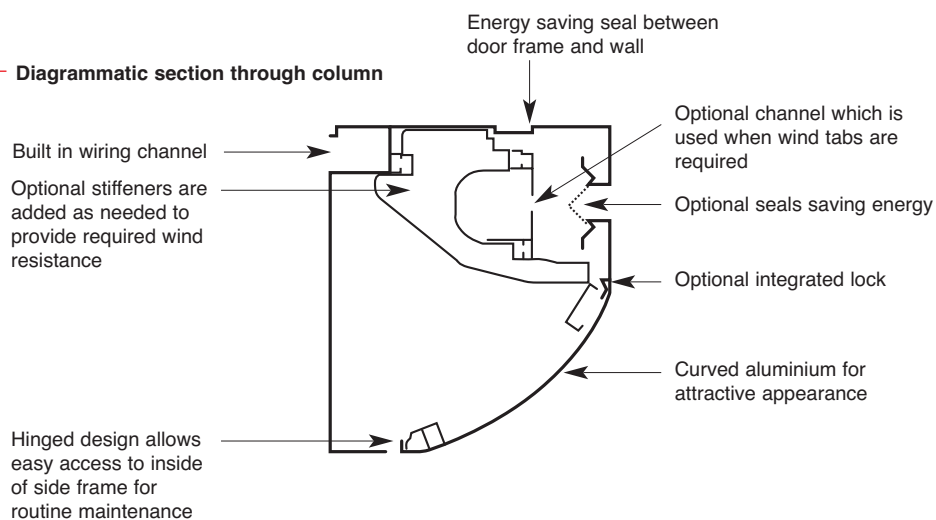
3) Only available with electric self-testing safety edge with internal crocodile cable

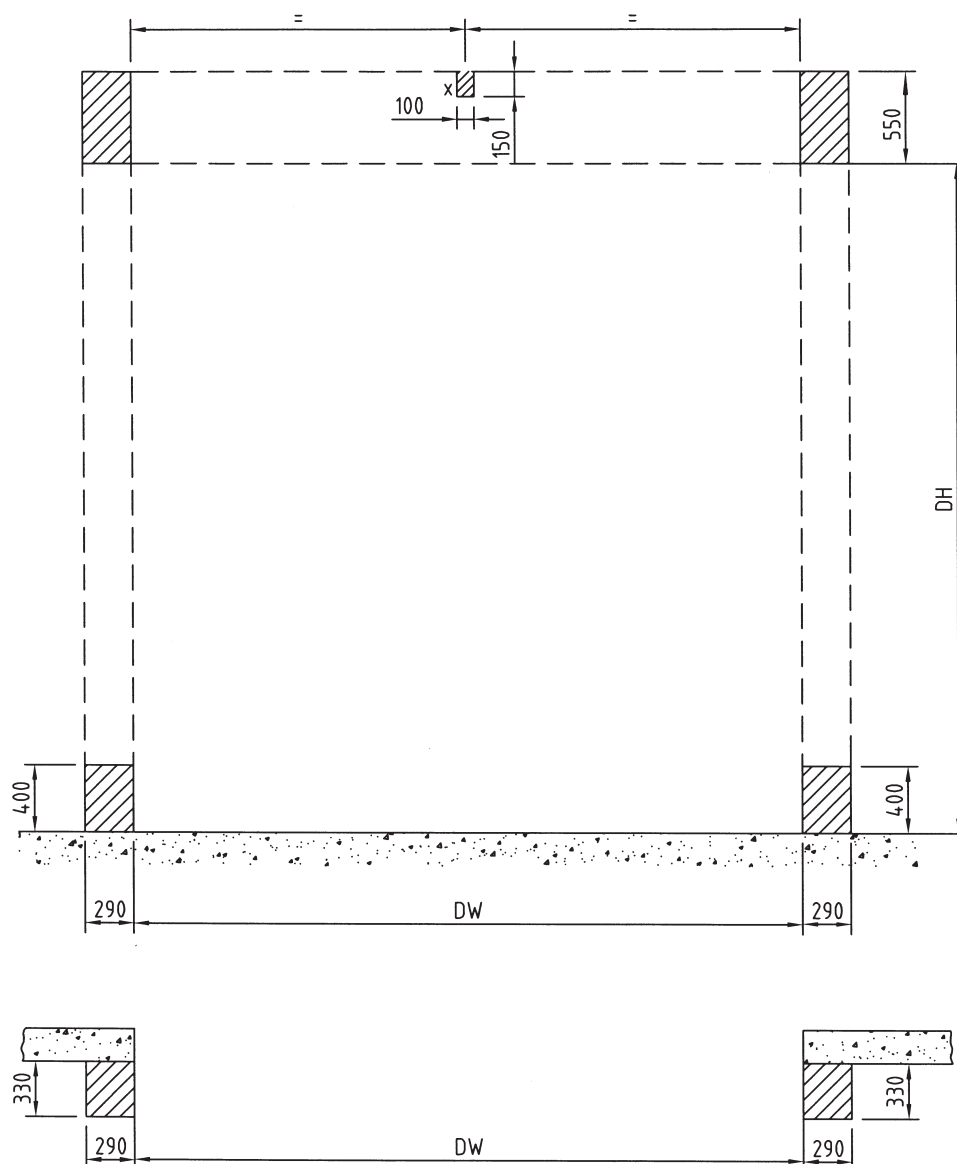


The drive unit shown here is mounted on the right-hand side of the door, but left-hand side units are also available.

Shaded areas indicate the space that is needed for installation and servicing. If the required space is not available, please consult **sara**.

Diagrammatic section through column





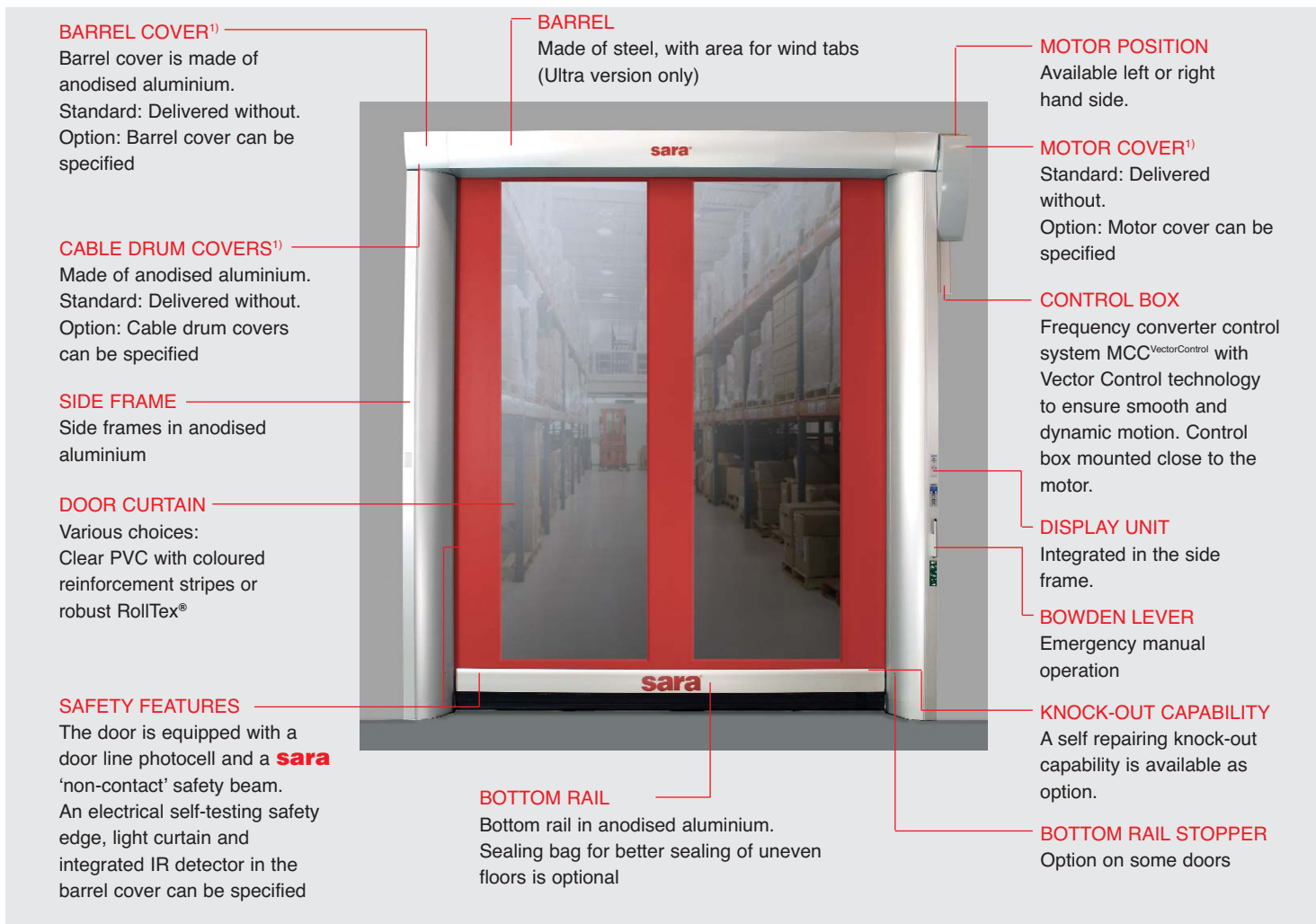
Check that the walls are satisfactory for installing the door.
Use securely-anchored mounting plates.

Shading shows area for fixings or mounting plates.

Wall face between mounting plates must not project beyond the plates.

Bottom wall plates only needed if the door cannot be fixed to the floor.

X; Mounting plate for centre support, used for DW > 3500mm has to be in the same linear plane as the fixing plates.



ACTIVATORS

Depending on each individual application various additional safety-devices like infrared or radar detectors and all kinds of industrial activators (push buttons, induction loops, radio transmitters) can be added to the control system. Please contact **sara**.

Note:

¹⁾ For door height ≤ 2500mm cable drum-, barrel- and motor-cover are required according to the standard EN 13241-1.



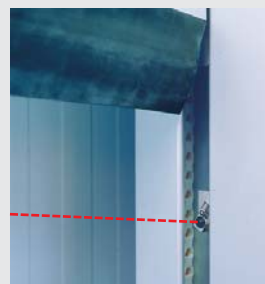
Products shown may include optional accessories.



MCC^{VectorControl}
Fully integrated electronic frequency converter system with Vector Control technology to ensure smooth and dynamic motion.



Side frame with hinged covers offers easy and quick access for service and maintenance.



sara 'non-contact' safety beam, a patented pre-running photocell, detects an obstruction before contact



Display unit with foil keys and a graphical display offering easy operation and maintenance.

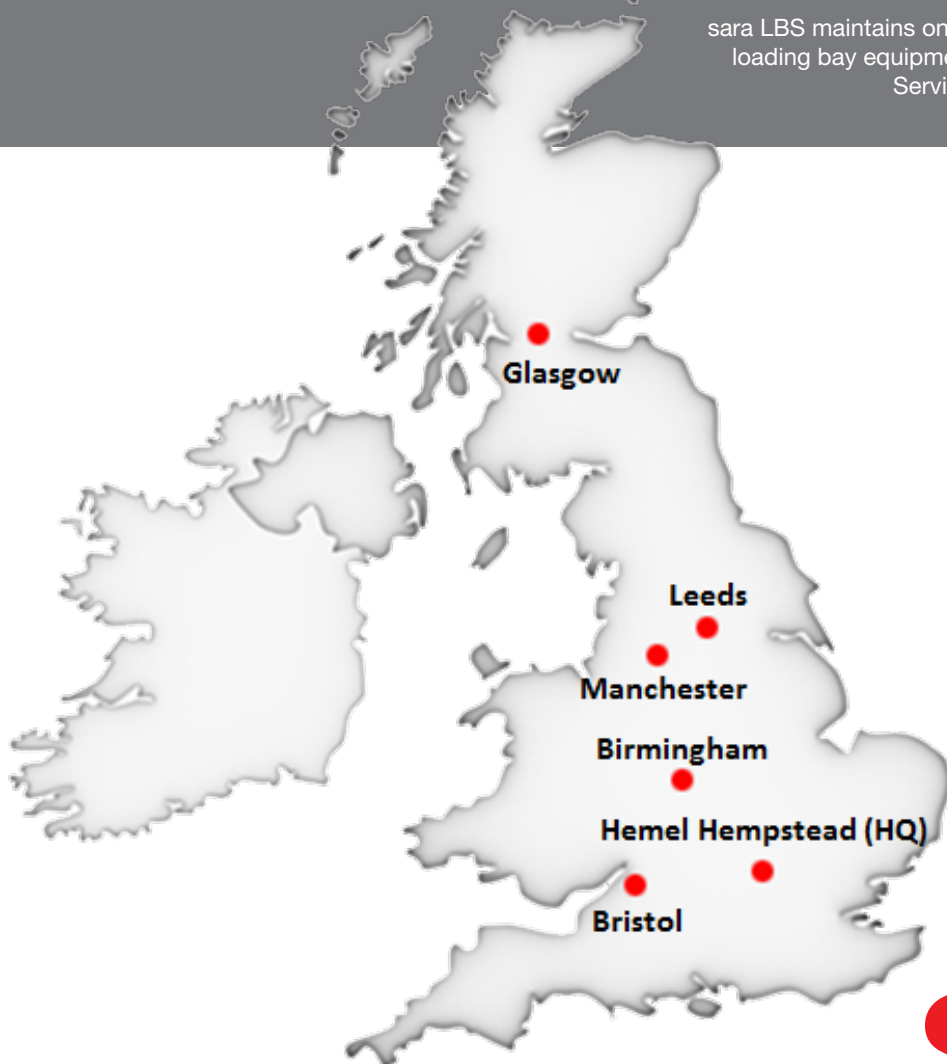


Preventative Maintenance Contracts

sara LBS offers 1, 3 and 5 year service contracts to help make sure that your equipment is well maintained throughout its life. Whether you bought your loading bay equipment from sara LBS or elsewhere, our CSCS trained engineers are able to ensure that your loading docks, scissor lifts, dock shelters, high speed doors etc. are maintained to the highest standard.

Contracts include regular servicing of equipment, preventative maintenance to stop a problem before it leads to downtime, and regular site inspections. Many of the UK's leading manufacturers and distributors use sara LBS to maintain their facilities, even if the original equipment isn't sara LBS branded.

sara LBS maintains one of the largest UK service networks for loading bay equipment and has engineers on the road 24/7. Service centres can be found across the UK.



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