



INDUSTRIAL AND
AUTOMATIC DOOR SYSTEMS
— HELPING YOUR BUSINESS OPEN NEW DOORS —

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AUTOMATIC SLIDING DOORS

STA20

System 20

Versatile. Quiet. Reliable.

Features and benefits



A flexible automatic door platform

System 20 combines interactive communication, simplified commissioning, intuitive control and operational safety. Its modular drive platform supports standard, telescopic, curved, angled and folding automatic door models.

Shared components, practical flexibility

The range uses common components, adapted to the requirements of each installation. This helps shorten assembly time and reduce service and maintenance costs.

Quiet, controlled operation

Low-noise mechanical components and coordinated door movement support smooth operation. Options include opening widths that adapt to traffic frequency and sensors designed to suppress interference in the door area.

Installation, servicing and maintenance

Industrial and Automatic Door Systems provides installation, commissioning, repair and planned maintenance support. Contact us to discuss a service package suited to your entrance and its usage.

Engineering and design

Modular construction

A common system platform supports a wide range of door models and installation conditions, helping simplify installation and ongoing maintenance.

Mechanics

Short, low-momentum toothed belts, hard-wearing low-noise plastic rollers, acoustically decoupled running tracks, ball-bearing guide pulleys and specially developed door-leaf guide profiles contribute to quiet operation.

Electronics

Drive units, sensors and remote controls communicate interactively. Component status and operational conditions are monitored continuously, with plausibility checks and learning functions to support reliability.

User control

A remote control with a backlit graphic display provides menu-led navigation. An additional key-operated switch is available when required.

Profiles and finishes

20 mm aluminium profiles suit 10 mm single glazing; 32 mm profiles suit 24 mm insulating glass. Other profile systems up to 65 mm may be fitted. Profiles and drive covers can be anodized or powder-coated.

Drive covers and mounting

Normal, DUO and RED drive units are available in 108 mm or 150 mm heights. Reinforced STA 20-200 and STA 22 units use 200 mm covers. Lintel, freestanding and ceiling-integrated installation options are available.

Linear sliding doors

Standard single- or twin-leaf doors suit many automatic entrances. Telescopic two- or four-leaf doors require about 30% less space than standard sliding doors and support wider clear openings.



Specification	E-STA 1 leaf	D-STA 2 leaves	E-TSA 2 leaves	D-TSA 4 leaves
Opening width (mm)	800-3000	800-3000	800-3000	1200-4000
Clear height (mm)*	3000	3000	3000	3000
Max. leaf weight	1 x 150 kg	2 x 120 kg	2 x 90 kg	4 x 80 kg
DUO / RED	1 x 150 kg	2 x 150 kg	2 x 120 kg	4 x 90 kg
STA 20-200	1 x 200 kg	2 x 150 kg	2 x 130 kg	4 x 90 kg
STA 22	1 x 250 kg	2 x 200 kg	2 x 170 kg	4 x 130 kg
Typical application	Tight spaces	General entrances	Wide passage in tight spaces	Generous entrance width

* Clear height is the recommended maximum value. Capacities depend on the selected model.

Other standard applications

Radial sliding doors

Curved doors provide an elegant entrance and can be integrated into inward- or outward-curving spaces.

Angled sliding doors

An eye-catching entrance arrangement with angles from 90° up to, but excluding, 180°. The doors can open inwards or outwards.

Folding doors

Two- or four-leaf folding doors maximise usable entrance width in tight spaces. They can be retrofitted into existing openings and suit applications such as kitchen or pantry access.



Specification	Radial	Angled	Folding
Door arrangement	1 or 2 leaves	2 leaves	2 or 4 leaves
Opening width (mm)	800-3000	800-3000	800-2000
Clear height (mm)*	3000	3000	2500
Max. leaf weight	1 x 200 kg or 2 x 100 kg	2 x 120 kg	2 x 37.5 kg or 4 x 37.5 kg
DUO / RED	1 x 250 kg or 2 x 200 kg	2 x 200 kg	-

* Recommended maximum clear height.

Escape route systems

RED - redundant drive

Two drive units, two independent controls and a rechargeable battery provide emergency operation in a mains failure.

BAT and CO48

BAT provides battery monitoring and electrical power storage for UK / Denmark configurations described in the source brochure. CO48 uses mechanical power storage for French-market configurations.

TOS - Total Opening System

Door leaves swing open in the escape direction to maximise passage width. Standard sliding and folding doors can be equipped with TOS; swing-out side screens can also be integrated.

Door type	RED	BAT (UK, DK) / CO48 (F)	TOS
Standard sliding	Yes	Yes	Yes
Telescopic sliding	Yes	Yes	-
Radial sliding	Yes	Yes	-
Angled sliding	Yes	Yes	-
SAFECORD RC 2	Yes	-	-
Folding	-	-	Yes

Compatibility shown follows the source brochure. Final configuration must suit the installation requirements.

Special applications and options

CLEAN - hermetic door models

Single- or twin-leaf sliding doors are available where defined hermetic sealing and easy-to-clean surfaces are required, including medical environments.

SAFECORD RC 2

The source brochure describes IFT Rosenheim certification to resistance class RC 2. Features include multipoint locking, reinforced running gear, continuous floor guides, laminated safety glass and a framework reinforced with steel plates.

Burglar protection options

- SAFECORD RC 2 burglar-resistant sliding door.
- Multipoint locking (MPV).
- Stainless floor rails, safety rails and mechanical floor locks.

Fire protection options

Country-specific systems are described in the source brochure in accordance with E 30 and EI 30.

Finishes and profile systems

- Powder-coated finishes in RAL colours.
- Clear or special anodized finish.
- 20 mm aluminium for 10 mm single glazing.
- 32 mm aluminium for 24 mm insulating glass.
- Other profile systems up to 65 mm.

Additional entrance solutions

Contact Industrial and Automatic Door Systems to discuss swing doors, access-control requirements and other entrance arrangements.

Controls and equipment

Control unit (STM)

- Self-learning, 32-bit microprocessor control.
- Controllable and adjustable door-leaf motion sequence.
- Low power consumption with a high-performance drive unit.
- Interactive system-bus communication between components.

Special options

- Optical locking display (OVA).
- Use-dependent opening width (TOWA).
- Bell contact and monitoring of locking.
- Additional options to suit customer requirements.

Locking

- Motorized bolt-operated locking (VRR 20).
- Magnetic locking (VRR 16).
- Multipoint locking (MPV) and magnetic catch.

Manual unlocking and key contact

- HEI: indoor manual unlocking.
- HEA: outdoor manual unlocking.
- SSK key-operated contact: built-on or remote-controlled.

Drive covers and installation

- 108 mm and 150 mm drive-unit heights.
- 200 mm covers for reinforced STA 20-200 and STA 22.
- Hinged, foldable or multipart drive covers.
- Lintel, freestanding or recessed-ceiling installation.

Activation and safety equipment

Trigger and safety sensors

- RAD 290: radar motion sensor.
- AIR 290: active infrared motion sensor / person monitoring.
- RIC 290: combined sensor.
- Infrared proximity switch.

Buttons and switches

- EASY open wireless trigger device.
- Remote control device for RADAR.
- Passive infrared sensors (PIR).

Remote control devices

- BDE-D with a backlit display.
- Narrow-fitting or square formats for standard built-in frames.
- Key-operated lock available when required.

Emergency operation

Rechargeable batteries are available in a range of capacities. Emergency opening or closing can be configured through programmable parameters.

Protective screens

Protective screens provide protection against trapping around the door installation.

Coordinated system operation

Combined radar / infrared, radar-only and active-infrared devices can be mounted on or flush with the lintel. Learning functions help reduce false triggering from door movement and extraneous signals.

Technical specifications

Specification	Standard sliding	Telescopic sliding
Drive d x h with side screen (mm)	194 x 108 / 150 or 197 x 200	259 x 108 / 150 or 262 x 200
Drive d x h without side screen (mm)	157 x 108 / 150 or 160 x 200	222 x 108 / 150 or 225 x 200
Door movement: E-STA / E-TSA	1.5 s to 0.7 m	1.5 s to 0.7 m
Door movement: D-STA / D-TSA	1.0 s to 0.7 m	1.0 s to 0.7 m
Electrical connection	230 V / 50 / 60 Hz / 100 W	230 V / 50 / 60 Hz / 100 W
Ambient temperature	-15°C to +50°C	-15°C to +50°C
Remote control	Backlit graphic display	Backlit graphic display

Modes of operation

Automatic operation; continuously open; manual operation; one-way traffic; locked.

Optional functions

Energy-saving automatic opening width (TOWA); customer-specific parameters; control lock; bell contact; programmable emergency opening or closing.

Options

Compact BDE-D; SSK key contact; RAD 290, RIC 290 and AIR 290 trigger devices with system-bus connection; OVA lock indicator; indoor / outdoor manual unlocking; locking surveillance; emergency stop; rechargeable battery; escape-door systems; hinged / foldable / multipart covers; function-extension module (FEM).

Assembly variants

Lintel installation, freestanding or inside ceiling.



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YOUR DOORS. OUR EXPERTISE.

Industrial and Automatic Door Systems supplies, installs, repairs and maintains automatic and industrial door systems across Hampshire and the South.

With years of industry experience, we support commercial and industrial customers with practical advice, installation, commissioning and ongoing maintenance.

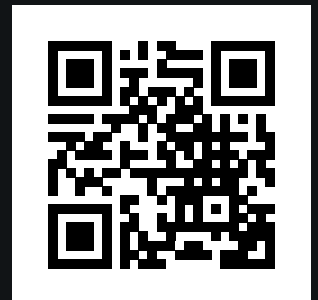
DISCUSS YOUR STA20 REQUIREMENTS

Contact us to arrange a survey, discuss the right door configuration, or request a quotation for installation or maintenance.

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Visit our website

Specifications are subject to technical changes.

Technical information and product imagery adapted from the supplied STA20 brochure.