

Overview

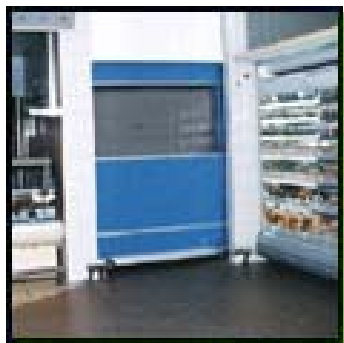
The STAR range boasts removable uprights, canopy, and roller, for inspection, replacement and general cleaning.

Curtains in this range can also be manufactured from a special rigid composite fabric.

The Star 250, with its compact structure, high-speed performance and wide range of optional features, is the ideal door for rapid transit areas. Its design also makes it particularly suited to installation within structural openings



The **Star 250 Plus** is manufactured to meet FDA regulations for food storage/processing applications. This door offers the same options, etc. as the 250 model, except that it always has the AISI 304 structure, and always the completely transparent PVC curtain, self-extinguishing Class 2. Interchangeable sections in the larger doors. It comes with the Internal Control Box as a standard.

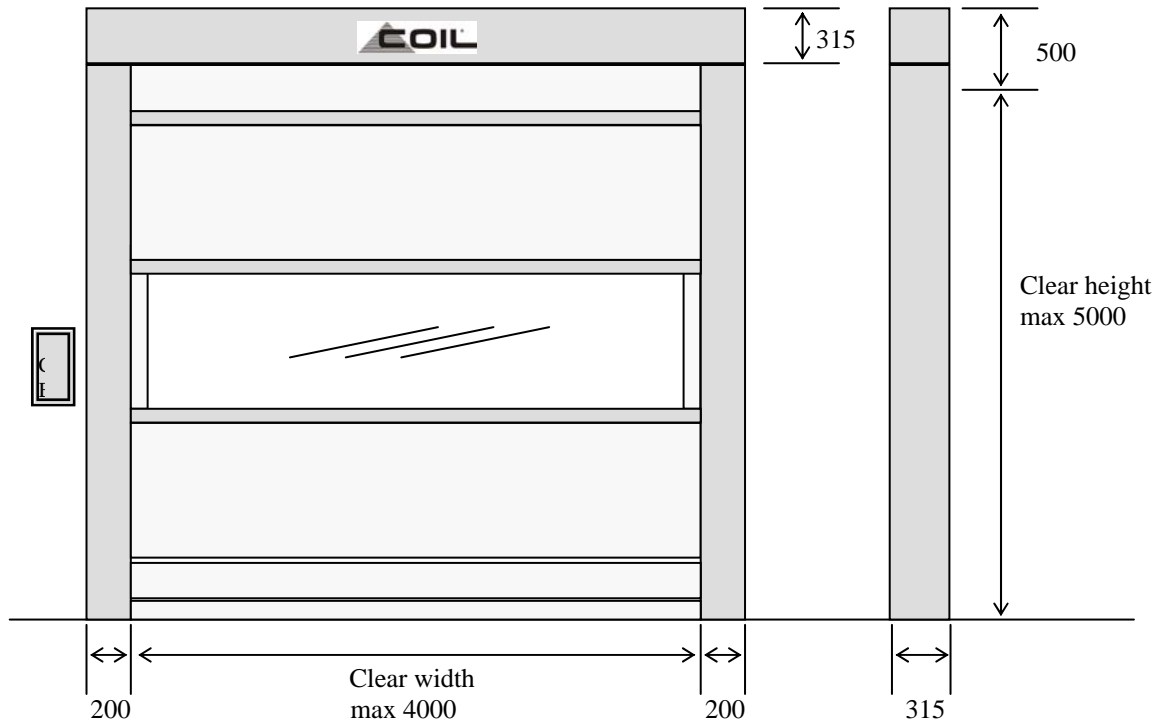


The **Star 250i** is designed for internal use (with a wide dimension max mm 3000). This model is equipped with a anti-crash break through lower section. In case of accidental impact the lower section flows outside the uprights and can be easily inserted again by the user.

The **STAR 250 Anti-crash** is designed for both external and internal. This model is equipped with an anti-crash break through lower section as well as the STAR 250i but it can reach the maximum door space dimension up to mm 4000 x H 5000. It is suitable for both External and Internal application.

Product compliant with Directive 89 / 392 CE

Door Dimension



Technical Specification

- **Self-supporting structure**
Made from special galvanised steel sections, with removable uprights, canopy and roller for easy inspection. Designed to fit either within structural opening or face-fixed. Full width canopy and motor cover as standard.
Optional Structure made from AISI 304 stainless steel or RAL painted. NB 250 PLUS Always Stainless Steel.
- Drive shaft made from tubular galvanised steel, diameter 152 mm, flanged. Rotates on bench supports with self-aligning ball bearings
- Sliding mechanism
Ultra-silent sliding mechanism, featuring lateral guides with twin rubber seal guides.
- Curtain
Made from trevira-type twin-moulded polyester fabric, self-extinguishing Class 2 central section. Door panels are interchangeable for rapid, easy replacement operations in the event of damage. The panels are connected by anodised extruded aluminium joints. Curtains available in a selection of colours. NB 250 PLUS Always completely transparent PVC curtain, self-extinguishing Class 2. Interchangeable sections in the larger doors.
- **Anti-crash Lower section**
The optional break-through lower section allows an easy recover of the curtain in case of accidental impact. The bottom part of the curtain goes off the uprights and then it can be inserted again manually. STAR250i has the Anti-crash lower section up to 3000mm wide and it's designed for Internal Use.

STAR250 **Anti-Crash** has the Anti-crash lower section up to 4000mm wide and it's designed for both External and Internal Use.

- **Vision Panels**
One transparent PVC section (750 mm high) for safety and interior lighting.
Optional Additional transparent PVC sections. Optional Completely transparent version.
- **Wind strengthening bars/Wind Resistance**
Made from shaped anodised aluminium, these bars guarantee perfect closing of the curtain, even in the event of negative pressure or wind speeds of up to 60 km/h. (Calculated at maximum opening dimension). Except the STAR 250i version with anti-crash lower section that is designed for internal use only.
- **Safety photocell**
One Pair of transmitter/receiver type UNI 8612 compliant. Stops downward movement of the door and returns it to the open position should any obstacle be detected by the threshold beam.
Optional Additional pairs as required by choice, or current Health and Safety Standards. Optional Photocells up-rated from IP55 to IP57.
- **Optional Bottom Safety Edge**
Opto Electronic with signal amplifier interrupts door descent and ensures door reopening in the presence of obstacles in the doorway.
- **PT Control Box/Board**
External Standard control box is a up push buttons and emergency push/lock button.
On STAR250Plus the control box is internal.
On the Plus control box is a lockable power switch, up and down push buttons, emergency push/lock button, and an automatic/manual selector. The box itself is a robust enclosure (protection degree IP 55, in compliance with updated CEE/CEI 44/5 and DIN standards). IP 65 compliant push-button board. The solid-state microprocessor digital electronic instrument panel affords easy programming and rapid replacement operations in the event of faults, as well as ensures interfacing with remote controls and timer programming. A self-diagnosis circuit detects and indicates malfunctioning by means of dedicated LED lamps. The board also features a safety heat detector.
The control box can be optionally installed inside the structure in both Standard and PLUS versions.
- **Electrical system**
Pre-wired with rapid external connectors for quick, safe connection between the control board and the mains power system.
- **Optional opening devices**
A full range of remote controls are available e.g. mono/stereo radar, pushbuttons, radio control, induction loop system, pull cord, etc.
- **Optional partial opening function for automatic door opening to preselected height.**
- **Optional Interlock logic for interfacing a series of doors.**
- **Emergency opening**
In the event of power failure or malfunction, a counterbalance spring inserted in one of the vertical uprights, allows lifting of the door by operation of the brake release control which is on the door upright at user-height.
- **Optional Automatic Emergency/Panic Opening (Patented)**
In the event of power failure, the door can either lift automatically or by means of a push button at user height. The exclusive design features of this system allow it to be integrated into central security (e.g. fire prevention) systems.
Safety Note In the case of doors equipped with an anti-panic system (with electronic brake), a power

failure leaves the motor brake open and the system without one of the features designed to prevent uncontrolled descent of the door. For this reason, a "parachute" (safety descent) device is fitted. The device comprises a gear wheel-pawl system, which is normally kept disengaged by the tension of the connection belt between the spring and the ribbed pulley on the roller axis. In the event of spring breakage, the release of belt tension causes the pawl to lock the gear wheel and prevent uncontrolled descent of the door.

- Motor assembly
Fitted inside the structure. Three-phase self-braking assembly powered by 220/380 V, with power rating of 0.6 kW. Comes with safety heat detector. Optional Two-speed motor.
- Electromagnetic lock brake
- Irreversible gear-motor oil-immersed, worm screw type.
- Cam limit-switch assembly
- Opening/closing speed up to 1.0 m/sec..