

Bolton Gate Company's horizontal shutter is ideally suited to provide security compartmentation between floors of a shop or store where escalators, travelators or stairwells entail a floor aperture. Available in various configurations, the design parameters are versatile allowing the shutter to be incorporated within light wells, plant rooms or as special tank covers.

Prior to delivery, each shutter is assembled, pre-wired and factory tested to eliminate commissioning problems.

STANDARD SPECIFICATION

Curtain

The shutter curtain is constructed from curved section galvanised steels laths with malleable iron endlocks. The laths are connected at each end to the heavy-duty drive chain ensuring smooth running in the side guides. A bottom rail is fitted to provide complete closure.

Shutter Box

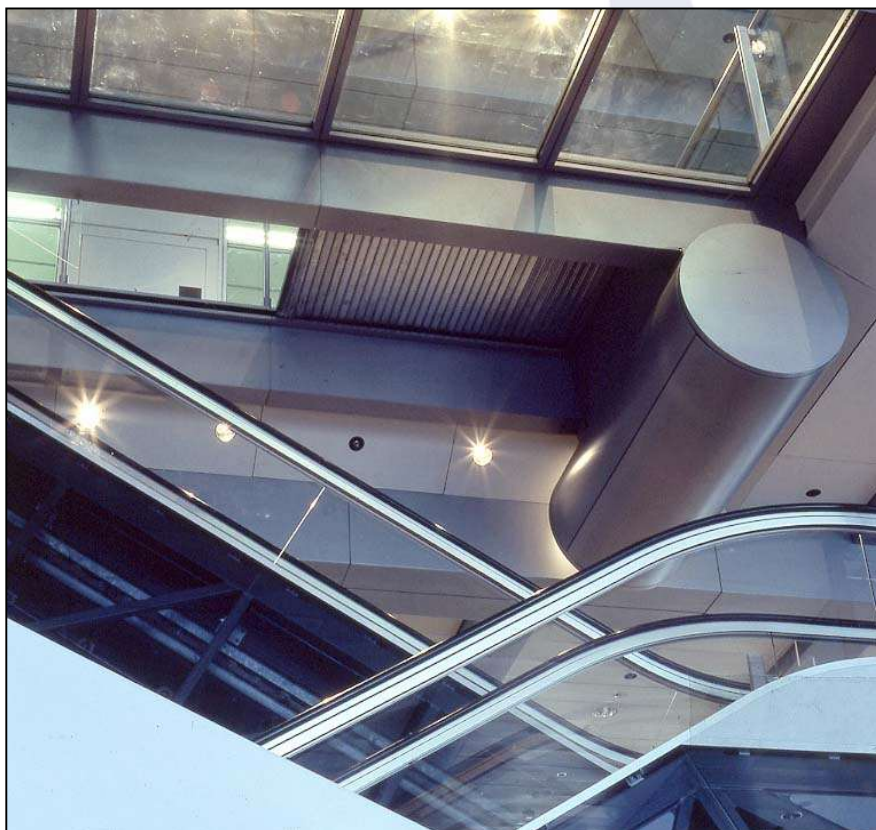
Constructed from suitable mild steel endplates fitted with bearing wheels for roller and gears with securing angles for bolting to the floor. The sides of the box are clad with steel sheets to complete the assembly. The roller barrel onto which the curtain is coiled is mounted on a central shaft which is retained in bearings and incorporates a patented constant tension spring mechanism to ensure even coiling.

Side Guides

Fabricated from mild steel plates designed for fitting to supporting balustrades or masonry sidewalls. A section of the guide top plate is removable for maintenance purposes.

Electrical Operation

The motor drive is designed to suit a 400 volt 3 phase 50 Hz mains supply which has instantaneous automatic changeover to standby generator (by others) in the case of power failure. Each shutter is provided with a control panel incorporating a constant pressure close button, a momentary open button and an emergency stop button. The control panel is normally mounted onto the shutter box and emergency manual operation is by removable crank handle.



Finish

Mainly galvanised with mild steel parts factory painted with one coat of priming paint.

WEIGHTS

Shutter box: 450 kgs per linear metre.

Curtain: 24 kgs per m².

Guides: 40 kgs per linear metre.

OPTIONS

- Balustrades for side guide support.
- Cladding for balustrades.
- 24-volt DC motor and battery standby equipment.
- Polyester powder coated finish to a range of BS and RAL colours.
- Brush strips to the side guides.
- Fire resisting version for special projects