

NBS Specification

FFM 4 wing Bi parting folding door system

Designed, constructed and installed to satisfy BSEN 16005:2012 FFM 4 Wing Bi-Part Folding Door System require minimum of installation space, yet offer maximum clearance width. Compliance with other notable UK standards such as Part M of the building regulations, The Equality Act and BS8300:2009 is also achieved.

All Gilgen folding doors are supplied complete with a failsafe system (battery back- up)that enables up to 30 minutes operation (subject to use) in the event of a mains failure. This fail safe system is automatically tested at least once every 24 hours. The main drive unit also incorporates both an auto reverse safety mechanism and safety stopping mechanisms.

Suitable for a wide variety of applications such as; retail trade, hotels, offices, airports, stations, hospitals, schools, colleges, garden centres and leisure.

All equipment is installed by Automatic Door Suppliers Association (ADSA) accredited engineers.

Standard details for FFM 4 wing Bi parting folding door system

- Product reference FFM 4 wing bi parting folding door system

Product properties

- Door configuration Bi parting folding
- Door clearance width 800 mm to 1600mm
- Door height 2000mm to 2500mm
- Finish: Anodised silver
Polyester powder coated to any RAL colour
- Drive operation FFM drive unit for folding wing doors
- Glazing Single glazed 10mm clear toughened glass
Double glazed 16mm glass available upon request
Glazed fanlights 500 to 1000mm high available upon request
- Control Bedis hard wired control unit
6 position key switch (optional)
- Activation Integration with access control systems
Motion sensors
Manual push pad
Touch –less pad
- Locking and security Installation specific; please consult manufacturer
- Door movement guidance Recessed floor track available upon request

As standard for FFM 4 wing Bi parting folding door system

Door profile:

40mm thick

Drive system

FFM drive unit incorporating both auto reverse safety mechanism and safety stopping mechanisms

Safety

- Combined presence and activation sensing devices to ensure door opening distances are in accordance with BSEN 16005, doors do not close on pedestrians within the threshold area and provide a signal to the door control system thereby optimising pedestrian safety
- Rear edge sensors (electro sensitive protection equipment ESPE) complying with BSEN 16005 located within the door operator maintain back of door safety and protect pedestrians against crushing edges at the main closing edge
- Failsafe system (battery back- up)that enables up to 30 minutes operation (subject to use) in the event of a mains failure. This fail safe system is automatically tested at least once every 24 hours.
- Fire alarm interface connection enabling door leaves to fail safe to open in the event of an emergency. In compliance with BSEN 16005 door sets with a clear opening width of up to 2000mm open by at least 80% within 3 seconds after activation by the activators in the escape direction (or within 5 seconds in the event of the loss of power.)

Operation

24V DC motor with microprocessor controller which allows extensive options for opening width, electric locking, summer/ winter modes, exit only, manual control, speed of opening and the length of time the door is open.

Control

- Bedis hard wired programming key pad, designed for installation in a central control panel.
- Configured for Automatic/ Manual/ summer/winter/ Night/ Exit/ Open door operating modes.

Door weight:

- 70 kg (per folding door leaf).

Power requirements

230V single phase. Please note a 13A LIVE neon lit fused spur supply, protected by a 30mA RCD MUST be provided by OTHERS prior to installation. In compliance with BSEN 16005 the mains connection must be capable of disconnection to safeguard against unintentional and unauthorised reactivation .

Options for FFM 4 wing Bi parting folding door system

Door:

Safety and security:

- Firmly secured Solid Glazed Barrier (900mm high) in accordance with BSEN 16005 at right angles to the threshold

Mechanical lock incorporated within door operator supplied as standard. Additional options include;

- Bottom rail locks
- External manual unlocking facility

Door movement guide:

- Recessed floor track, helps further improve door security as well as improved weather sealing and resistance to strong winds and driving rain.

Approvals

- CE approval
- TUV NORD.
- DIN18650-1 and DIN 18650-2 (2005 and 2010)
- DIN EN 60335-1:2007
- ISO 9001: 2008