

1. Scope

- Single outward opening doorsets
- Double outward opening doorsets
- Single inward opening doorsets
- Double inward opening doorsets

2. Sizing

All sizes shown are structural sizes in mm.

Variant	Min Height	Max Height	Min Width	Max Width
Single outward opening doorsets	1775	2950	300	1470
Double outward opening doorsets	1650	2950	1050	2830
Single inward opening doorsets	1775	2950	300	1470
Double inward opening doorsets	1650	2950	1050	2830

Note:

- Leaf and a half doorsets are available, with a minimum active leaf width of 400mm, and a minimum passive leaf width of 800mm.
- Side and/or over panels can be used in a modular fashion to secure larger openings.

3. Locking Options

General purpose:

- Union deadlock
- Union sashlock
- Emergency escape sashlock
- 5 level deadlock
- MICO rimlock
- Union night latch
- Codelock series no. 525 with lever handle (pair)
- Borg keypad series no. 5401
- 14 point locking
- Trimec electric strike and union night latch
- 272kg magnetic locks
- Solenoid bolts

Panic escape:

- Briton 1438E push pad with single point latch
- Briton 378E single point panic bar
- Briton 378E 2 point vertical bars
- Briton 376E and 378E 3 point panic bar
- CORNI single point locking panic latch
- CORNI 3 point locking panic latch
- CORNI 5 point panic hardware

4. Additional Options

- Vision panels (standard sizes in mm are 203x356, 203x762, 457x457)
- Punched and/or bladed louvre cartridges
- Range of stays and closers (Dorma TS72, Dorma TS83, Briton 2130, Geze TS4000)

- Fixed side panels
- Fixed/removable over panels
- Hinged over panel

5. Fire Rating

M2M+ doors are available with a fire rating of up to FD240, providing integrity fire resistance for up to 240 minutes, certified by Exova under the CERTIFIRE scheme (certificate number CF5108).

Note:

- Doors fitted with hinged or removable over panels are not fire rated.
- Doors with louvres are not fire rated.

6. Acoustic Rating

Tested by Lorient to BS EN ISO 101402: 2010, certain M2M+ doors are available with acoustic ratings from Rw28 to Rw40, providing 28dB to 40dB of noise reduction, depending on specification.

7. Leaf Construction

- Leaf thickness – 45mm
- Leaf material – Outerskins 1.2mm THK Zintec or stainless steel, or 1.5mm THK Zintec, stainless steel or Magnelis
 - Protected by a minimum of 7no. dog bolts per leaf
- Astragal – 10mm steel astragal

8. Frame Construction

- Frame profile – 90mm deep (150mm option available)
- Frame material – 1.5mm THK Zintec, stainless steel, or Magnelis
- Construction method – Butt jointed frame sections, as standard
 - Fully welded frame available at an extra cost
- Threshold – Steel or aluminium options available

9. Standard Details

- Finish – Polyester powder coated, as standard
 - Wood effect finish available at an extra cost
- U'value – Up to 1.9W/m²K
- Weight – Circa 45kg/m²