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strength in design

# 06STEEL

## DOOR SETS

  
 /Providing Total Door Solutions

  
 The information in this brochure is correct at the time of going to press. Due to continual product development Fortress Industries Ltd. reserve the right to alter specifications/details without prior notice.

**06STEEL DOOR SETS** printed February 2003

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### 06 specification

#### FORTRESS STEEL DOOR SETS. FSD/FFD

  
**Certification Available**  
 LPCB, Warrington BS476 Part 22,  
 Underwriters Laboratories, Warnock Hersey

Constructed from galvanized steel  
 Honeycomb core  
 All necessary reinforcements  
 Standard size doorsets  
 Prepared for handing on site  
 Hardware as per schedule


 accredited to meet all required standards.

**STEEL/06 02**

# 06STEEL

## DOOR SETS

### STANDARD AND CUSTOM SIZES

Fortress holds in stock a large quantity of hollow metal doors and frames to suit standard openings. Our standard doors are ambidextrous and can be handed on site. Once 'handing' has been agreed, strike and hinge jambs can be adjusted in length dependent on floor finishes, allowing the frame to fit into a standard opening.

Our modern facilities allow for quick and efficient response to last minute changes in sizes and specification, allowing us to customise products with speed and efficiency. Standard doors range from 900mm wide to 1800mm wide with a standard opening height of 2100mm.

Non-standard doors up to a max 3000mm wide by 3000mm high can be manufactured. Please allow a lead in time of approximately 4-8 weeks for non-standards (for larger doors please consult sales office).

### STEEL DOOR SIZES AND TOLERANCES

Steel doors are designed to fit into an opening allowing an all round clearance of 5mm. ie see table below:

| DOOR TYPE | STRUCTURAL OPENING |        | OVERALL FRAME SIZE |        | DOOR LEAF SIZE HEIGHT 2039mm |          |
|-----------|--------------------|--------|--------------------|--------|------------------------------|----------|
|           | WIDTH              | HEIGHT | WIDTH              | HEIGHT | ACTIVE                       | INACTIVE |
| FSD 9     | 900                | 2100   | 890                | 2095   | 784                          | -        |
| FSD 10    | 1000               | 2100   | 990                | 2095   | 884                          | -        |
| FSD 11    | 1125               | 2100   | 1115               | 2095   | 1009                         | -        |
| FSD 15    | 1575               | 2100   | 1565               | 2095   | 784                          | 680      |
| FSD 18    | 1800               | 2100   | 1790               | 2095   | 884                          | 796      |

all dimensions given in millimetres

### FORTRESS STEEL FIRE DOORS (FFD)

Meet with LPCB & Warrington fire research, fire rating from 30 minutes to 240 minutes. Please specify as required.

### MATERIALS AND FINISHES

Fortress's hollow metal doors and frames are manufactured using superior quality galvanized steel. This finish provides the durability expected in modern architectural applications. It also provides full protection against rust and requires no primer prior to applying paint finish.

### WHY YOU SHOULD SPECIFY GALVANNEALED STEEL

- Purchasing cost of sheet metal is competitive.
- Reduced preparation and painting costs.
- Provides considerably longer life-expectancy.
- Delivers excellent resistance to corrosive elements.
- Offers superb paint adhesion characteristics.
- Requires minimal maintenance.

### STANDARD DOOR CONSTRUCTION FEATURES

#### HINGE REINFORCEMENT

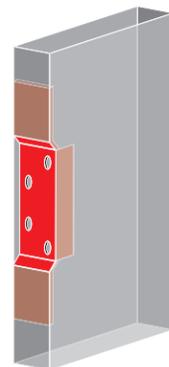
high frequency hinge reinforcement with return bend for added strength.

FSD standard doors are 45mm thick, are lock seamed along the hinge and lock edges and bonded round a honeycomb core for additional rigidity. All doors are reinforced for standard hardware. All doors are galvanized, ready for site painting.

Special door cores are available at an additional cost. Please allow a longer lead time for these specials:

#### TYPES OF CORE

- honeycomb/standard
- polystyrene insulated
- polyurethane insulated
- mineral board/temperature rise
- steel stiffened

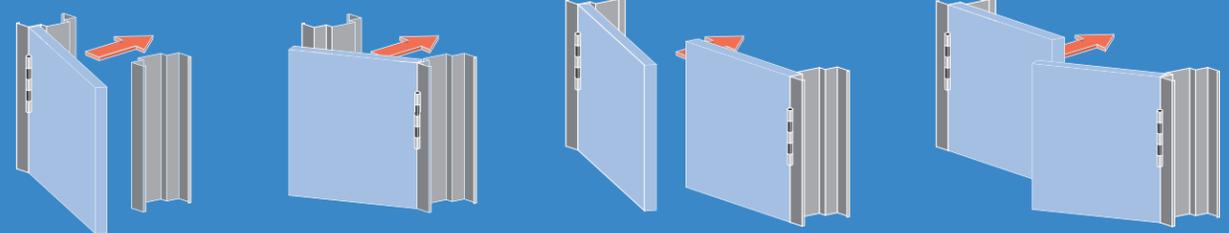


# FORTRESS

## :doors

### HANDING

Doors are handed by actually looking at the hinge.



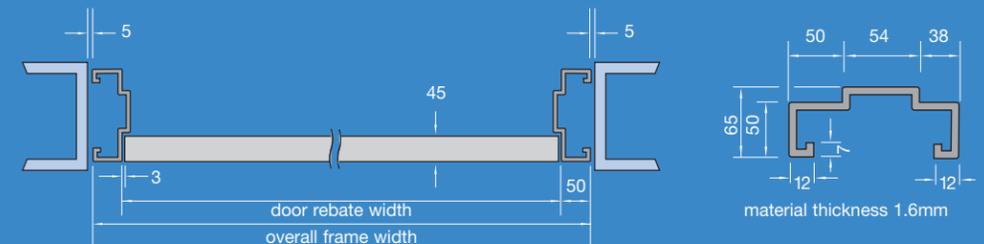
/left hand:

/right hand:

/double door LH active, RH inactive:

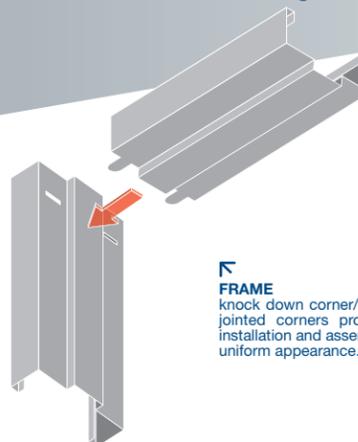
/double door RH active, LH inactive:

### STANDARD FRAME/DOOR PROFILE



### STANDARD FRAME CONSTRUCTION FEATURES

Standard frames for 45mm doors are made from 16swg galvanized steel and are prepared and reinforced to receive standard hardware. Butt corners allow for quick and easy installation. All frames/doors are ambidextrous and can be handed on site. Once 'handing' has been agreed 50mm is cut from the frame making stocking of doors simple.



**FRAME**  
knock down corner/easy quick butt jointed corners provide for rapid installation and assembly for a clean uniform appearance.

**HINGE REINFORCEMENT**  
high frequency hinge reinforcement with return bend for added strength

**STRIKE REINFORCEMENT**  
18 gauge strike reinforcement supplied with closed back eliminating the need to install an additional dust or mortar protection cover.

### PLEASE NOTE

Fortress Industries Ltd have complete Sales, Contracts and Technical departments should assistance be required with any of the following information/telephone: +44 2890 342655

