

## **SUPERIOR** Folding Shutter Doors

**T**he Superior electrically operated folding shutter is aptly named, being internationally accepted as the most robust shutter available. The Superior is particularly suitable for both heavily used and very large doorways on applications ranging from rapid acting fire and ambulance station doors to shipyards and aircraft hangars.

Superior Doors have been tested for wind resistance and can be designed to meet onerous wind load conditions.

Doors can be provided as a single or pair with the latter reducing the bunch dimension and operating twice as fast.

### **STANDARD SPECIFICATION**

#### **Gate Frame**

Extra strength is gained from the 25mm hot rolled channel pickets interconnected by 30 x 10mm solid steel lattice bars. The gate frame is top hung from free running ball bearing pulleys connected to the pickets with zinc plated bottom guide pieces fitted at the base to run in the bottom track.

#### **Leading edge**

The high security leading edge is fabricated from steel plate and channels into a rigid box section.

#### **Shutter leaves**

305mm wide x 1.2mm or 1.5mm thick galvanised steel, the leaves are formed to provide a continuously interlocking weather tight installation completed by securely capped galvanised steel hinge strips.

#### **Top Track**

The 229mm deep fabricated top track incorporates two round edge runner rails ensuring smooth running of the pulleys. The motor gearbox, tensioner and adjustable limits are surface mounted for ease of access whilst the drive chain is totally enclosed to provide direct in line transmission.

#### **Bottom Track**

Type B24 fabricated from double 51mm x 25mm hot rolled steel channels which finish flush with the floor.

#### **Cover Plate**

A galvanised steel cover plate is bolted to the top track to act as a flashing over the shutter leaves.

#### **End Panels**

Galvanised steel end panels can be provided to act as a vertical closure when the doors fit behind the opening.

#### **Fixings**

All shutters are provided with the appropriate fixing bolts for attachment to the opening structure.

#### **Shutter Arrangements**

The doors can be supplied to fix externally, internally or



between jambs and can bunch to one or both sides of the opening.

### **MAXIMUM SIZES**

Singles: 20 metres wide x 15 metres high

Pairs: 40 metres wide x 15 metres high

### **ELECTRICAL OPERATION**

Superior doors are electrically operated as standard by a 400 volt 3 phase geared brake motor operated by a constant pressure push button starter adjacent to and giving full view of the opening.

### **SPEED OF OPERATION**

350mm per second per door leaf based on normal sized doors.

### **FINISH**

Mainly galvanised with ungalvanised parts being prime painted. The gate frame is powder coated.

### **WEIGHT**

Approximately 50 kgs per m<sup>2</sup>.

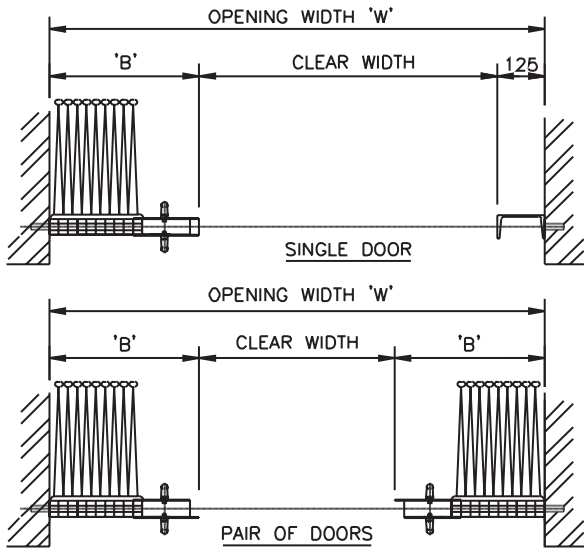
### **OPTIONS**

- Polyester powder coated finish in a range of standard RAL colours.
- Frequency inverters for speed adjustment and to provide a soft start / stop.
- Vision panels.
- Safety edges / photocells.

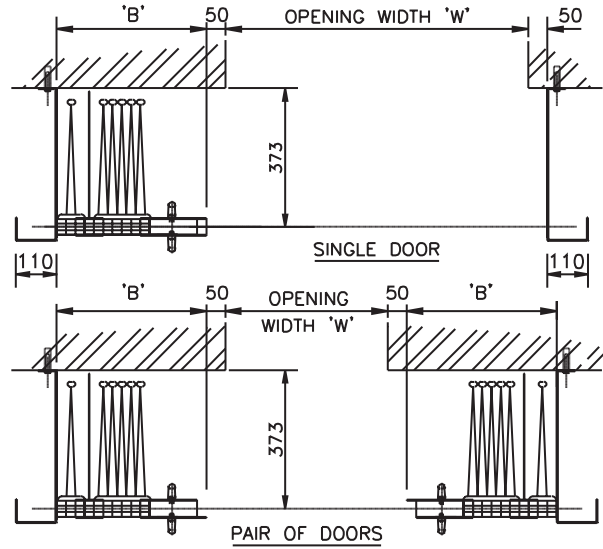
# SUPERIOR

## Folding Shutter Doors

FIXED BETWEEN ARRANGEMENT

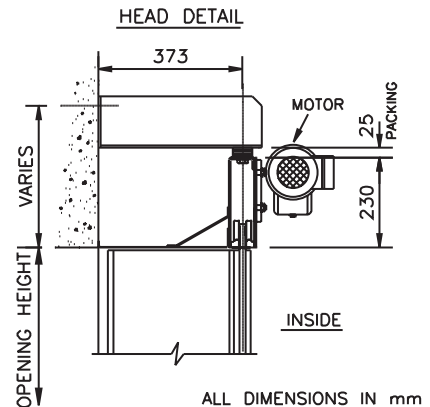
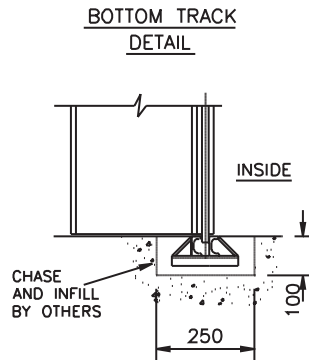
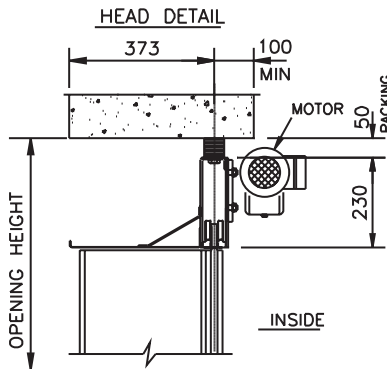


FACE FIXED ARRANGEMENT



SINGLE DOOR		PAIR OF DOORS	
OPENING WIDTH 'W'	BUNCH 'B'	OPENING WIDTH 'W'	BUNCH 'B' (EACH SIDE)
UP TO 4391	412	UP TO 8532	412
UP TO 4975	445	UP TO 9700	445
UP TO 5559	478	UP TO 10868	478
UP TO 6143	511	UP TO 12036	511
UP TO 6727	545	UP TO 13024	545
UP TO 7311	578	UP TO 14372	578
UP TO 7895	612	UP TO 15540	612
UP TO 8479	645	UP TO 16708	645
UP TO 9063	678	UP TO 17876	678
UP TO 9647	712	UP TO 19044	839
UP TO 10231	745	UP TO 20212	872
UP TO 10815	778	UP TO 21380	905
UP TO 11399	812	UP TO 22548	939
UP TO 11983	845	UP TO 23716	972
UP TO 12567	878	UP TO 24884	1005
UP TO 13151	912	UP TO 26052	1039

SINGLE DOOR		PAIR OF DOORS	
OPENING WIDTH 'W'	BUNCH 'B'	OPENING WIDTH 'W'	BUNCH 'B' (EACH SIDE)
UP TO 2973	428	UP TO 6046	428
UP TO 3557	461	UP TO 7214	461
UP TO 4141	495	UP TO 8382	495
UP TO 4725	528	UP TO 9550	528
UP TO 5309	562	UP TO 10718	562
UP TO 5893	595	UP TO 11886	595
UP TO 6477	628	UP TO 13054	628
UP TO 7061	662	UP TO 14222	662
UP TO 7645	695	UP TO 15390	695
UP TO 8229	728	UP TO 16558	728
UP TO 8813	762	UP TO 17726	762
UP TO 9397	795	UP TO 18894	795
UP TO 9981	829	UP TO 20062	829
UP TO 10565	862	UP TO 21230	862
UP TO 11149	895	UP TO 22398	895
UP TO 11733	928	UP TO 23566	928
	961	UP TO 24734	961



ALL DIMENSIONS IN mm