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## Ra4 Compact Aluminium Roller Shutter



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# Compact Aluminium - RA4



## Key Benefits

- Domestic, Commercial, Retail, Bars and Serveries
- Compact Aluminium Roller Shutter
- Solid, Perforated (22% Vision) and Punched (44% Vision) Laths available
- Medium to High Security
- Aluminium
- Manual and Electric Operation
- Standard Finish - White, Cream, Brown or Black
- 2 week lead time (Subject to change)

# Compact Aluminium - RA4



## Product Overview

### Description

One of our most popular roller shutters, as the product uses a compact roller shutter box and guide rails. The compact shutter box makes the shutter neater than other shutters, but is also ideal when headroom is limited. Available with Solid, Perforated, Punched and Glazed, or a combination of the different laths, to provide vision and security.

### Common use

Domestic Windows and Doors, Bars and Serveries

### Maximum Width *(Depending on Height)*

Solid - 4000mm

Perforated - 3000mm *(Over 3m a Maximum of 10 laths can be perforated)*

Punched - 3000mm *(Over 3m a Maximum of 10 laths can be perforated)*

### Maximum Height *(Depending on Width)*

Manual - 2800mm

Electric - 4000mm

### Weight

8kgs m/2

### Standard Finish

White, Brown, Cream, Black

### Lead Time

10 working days (subject to change)



# Compact Aluminium - RA4



## Specification

### LATH SPECIFICATION

#### Construction

All Aluminum Construction

#### Laths

The Ra4 Solid Curtain uses a 40mm high twin walled extruded aluminium lath.



The Ra4 Perforated Curtain provides 18% vision. It uses a 40mm high single skin aluminium lath, with 5mm holes. The perforated laths can be mixed with Solid Laths to provide a more secure option. For added security there is also the option for polycarbonate inserts. The perforated lath is only available up to 3m wide shutters, over 3m wide only 10 laths can be perforated.



The Ra4 Punched Curtain provides 44% vision. It uses a 40mm high single skin aluminium lath, with 100mm x 20mm slots. The punched laths can be mixed with Solid Laths to provide a more secure option. For added security there is also the option for polycarbonate inserts. The punched lath is only available up to 3m wide shutters, over 3m wide only 4 laths can be punched.

# Compact Aluminium - RA4



## Specification

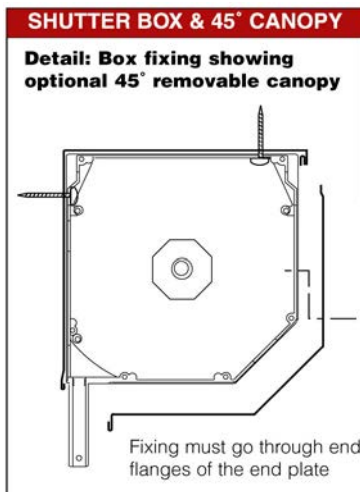
### BOX SPECIFICATION

Die cast Aluminium end plates with two piece roll formed Aluminium casing

#### Box Sizes

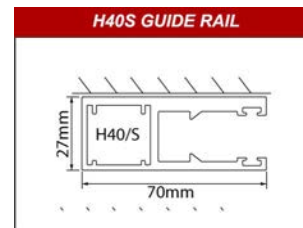
Clear opening height (to underside of box)

- 1699 mm - 165 mm box
- 2099 mm - 180 mm box
- 2899 mm - 205 mm box
- 4000 mm - 250 mm box



### GUIDE RAIL SPECIFICATION

As standard the Ra4 comes with the H30 Extruded Aluminium Guides with an integral box section for reinforcement and to facilitate fixing. High density 5mm pile brush seals for quiet and smooth operation. There is the option for a smaller H25 guide at no extra cost. For extra security the H40S guide a more secure guide rail, at an extra cost.



# Compact Aluminium - RA4



## Operation

The RA4 is available both manually and electrically operated using a tubular motor inside the barrel. The options priced are shown on your quotation which also shows the method of operation we have included. This list shows possible options which would incur different costs.

### **SWIVEL BELT WINDER - for shutters up to 15kg**

This type of operation is used when the roller shutter is fitted on the outside of the property and is lowered/raised using the Swivel Belt Winder from the inside. The grey belt is pulled up and down to lower and raise the shutter. The swivel winder coils the belt when it is pulled to open the shutter. The belt is 14mm wide and grey in colour and a guide tube to protect the belt through the building wall. The shutter locks by using the locking spring which connects the curtain to the barrel and lock out in the back of the shutter box.

### **GEARED BELT WINDER - for shutters between 15kg and 25kg**

This is the same as the Swivel Belt Winder but uses a crank handle to raise and lower the shutter. The Geared Winder works at 1:3 ratio with removable handle. The shutter locks by using the locking spring which connects the curtain to the barrel and lock out in the back of the shutter box.

### **ROD CRANK OPERATION - for shutters up to 25kg**

This type of operation is usually on windows where the shutter is external and is operated internally using a geared rod crank handle which hangs vertically and secures into a clip when not in use. The shutter is lowered and raised by turning the handle in a clockwise or anti clockwise direction. The shutter locks by using the locking spring which connects the curtain to the barrel and lock out in the back of the shutter box.

### **SPRING LOADED**

Roller Shutters usually installed mainly over doorways or Services are raised up and down by lifting and lowering the curtain by hand. The roller shutter has a spring in the barrel which helps lifting the shutter. As standard a central bottom lath lock is provided which has a key in the bottom lath and bolts shoot into the guide rails at each side. The Bottom lath lock can be operated from both sides but has a secure and non-secure side to the lock. Optional bullet locks are available which are pins that go through the guide rails each side.

### **ELECTRIC - (N.B. minimum shutter width 750mm)**

Electric shutters are usually fitted on larger openings where Manual Operation is not suitable or where the operator requires an easy, clean and user friendly type of operation. Single phase tubular motors are enclosed within the barrel giving full protection from the elements. Electric Roller Shutters can be controlled individually or grouped to one controller. The controllers available include internal rocker switch, security key switch or Remote Control. Manual overrides are available on Electric Roller Shutters which allow the shutter to be operated when the power to the shutter has failed.

# Compact Aluminium - RA4



## Colours

### STANDARD COLOURS



### BAND A COLOURS



### BAND B COLOURS



### BAND C COLOURS



\*Please note the colours illustrated will not be an exact match and are intended as a guide only\*