

# Roll-A-Shutter®

4/100 – INDUSTRIAL SLAT TYPE SHUTTER (RAS)



Economical, light industrial door suitable for sheds and warehouses. It is typically used in Counters, Kiosks & Bars, emergency service and supermarket entrances.

Roll-A-Shutter 4-100 is supplied with the slats pre-assembled, on the drum for quicker installation time.

## SLATS



High tensile G550 continuous roll formed, interlocking, coated Galvabond® steel slats. Nominal effective pitch of 100mm with 3 small ribs. Zinalume® coating of not less than 150g/m<sup>2</sup>. Moulded nylon clips fitted to end of alternate slats by means of three nylon rivets.

SIZE	MINIMUM DOOR SIZE	MAXIMUM DOOR SIZE
HEIGHT	1900mm	5500mm
WIDTH	1900mm	5500mm

## BOTTOM RAIL

Extruded aluminium T section bottom rail. Top edge formed to interlock with the bottom slat of the shutter.

Taper: No.

Weatherseal: Standard.

## GUIDES

Steel channel, cold roll formed, galvanised 2.0mm steel, depth of 70mm.

## TORQUE TUBE

Torque tube is 203mm diameter. Wall thickness 1.6mm galvanised steel, to withstand a minimum deflection of 1:350mm. Torque tube fitted with 30% glass filled polypropylene homo-polymer plastic drums mounted on 33.7mm axle, having minimum thickness 4.0mm.

## SPRINGS

Spring life designed for 10,000 cycles.

## OPERATION

B&D Series 2 Planetary Gearing or 5:1 ratio manual gearbox or electric drive with gearing ratio selected in accordance with shutter size. Grifco hand winder after 4500mm (h) x 4500mm (w).

## BRACKETS

Hot dipped, galvanised 50mm hot rolled steel, used with double saddles and high tensile steel bolts.

## LOCKING

Hand operated: External Bottom rail slide bolt.

Chain operated: Chain cleat locking.

Options: no locking, internal slide bolts, internal and external slide bolts or key locking on aluminium bottom rails up to 4800mm wide.

## FINISHES

Galvanised steel finish with all M/S components prime coated. Optional Zinalume, Colorbond (limited colours) or powder coat finish available when specified. Hauling chains are zinc passivated.

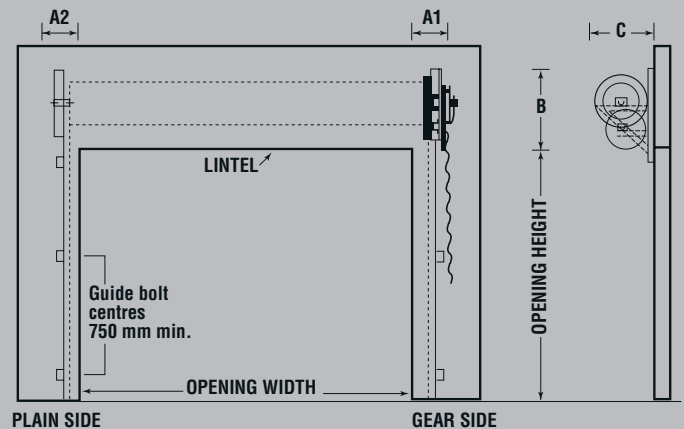
## OPTIONS

Ventilation: No.

Mullions: No.

Personnel access: No.

## CLEARANCES



## STANDARD PARAMETERS FIXING

Curtain width = Opening width + 120mm

Drum length = Opening width + 220mm

Axle length = Opening width + 720mm

## DIMENSIONS

Opening Height	A1	A2	B	B min	C	Approx. Weight (Drums & Curtain)
Planetary gear drive for doors under 4500mm high or wide						
2200mm	280	190	630	580	405	110kg
3000mm	280	190	680	630	455	160kg
3600mm	280	190	700	650	475	200kg
Hand winder drive for doors over 4500mm high or wide						
4500mm	260	190	720	670	495	280kg
5500mm	260	190	720	670	495	360kg

All clearances are in mm.

Information relating to product measurements, colours and specifications is accurate at the time of print and is subject to slight variations resulting from the manufacturing process. B&D reserves the right to change product specifications at any time. Installation measurements are approximate and may vary depending on application and other factors, including the opening and structure. Take care when handling and storing slats. Damage to the slats can affect door performance.

Installation should only be performed by a professional garage door installer. Installers should refer to the instruction manual for this product prior to commencing installation. The instruction manual contains important safety and other information that must be followed when installing the product.



**Doors & Openers®**

THERE'S SO MUCH MORE BEHIND A B&D DOOR

Call 13 62 63 or visit [www.bnd.com.au](http://www.bnd.com.au) for further information.

B&D Doors is a division of B&D Australia Pty Ltd ABN 25 010 473 971 © 2013 B&D Australia