

Roll-A-Shutter™

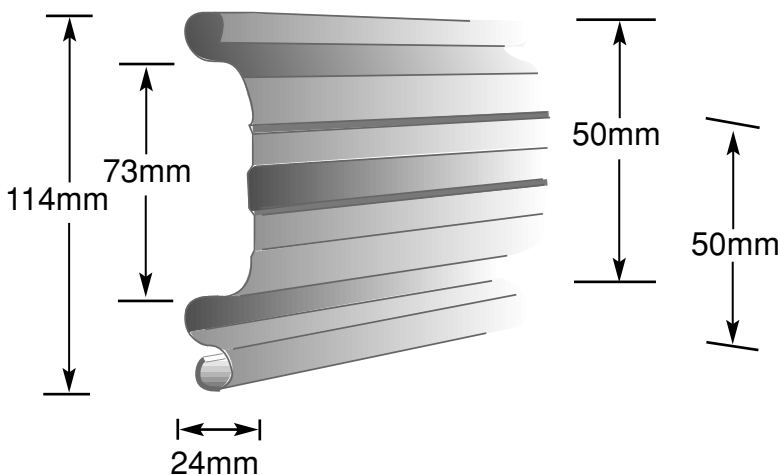


Industrial Slat Type Shutter

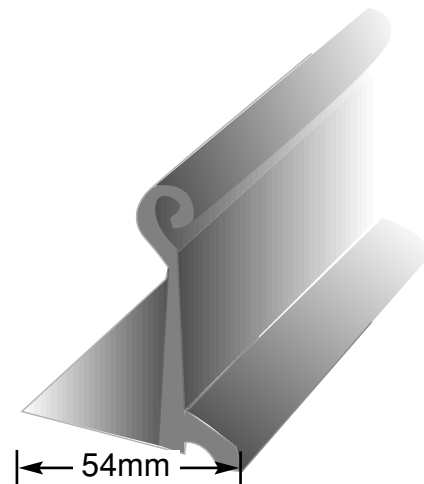


APPLICATIONS

- ◆ The Model 8/100 deep profile B & D Roll-A-Shutter is a steel shutter.
- ◆ Designed to economically fulfill Requirements of the popular-size commercial and industrial range of openings.
- ◆ Custom sizes from 900mm x 900mm to 6000mm x 6000mm.
- ◆ Operation by way of a wide choice of manual, chain geared or power driven methods ensures minimum operational efforts.



SLAT PROFILE



BOTTOM RAIL (ALUMINIUM)

Roll-A-Shutter™ 8/100



SPECIFICATIONS

CURTAIN – The curtain shall be from 0.8mm thickness continuous roll formed interlocking type coated galvanised steel slats, having a nominal effective width of 100mm and a zinc coating of not less than 250g/m².

CURTAIN CLIPS – The curtain shall have moulded nylon clips fitted to the ends of alternate slats by means of three nylon rivets. When specified, special malleable iron windlocks shall be fitted to the slat ends at the recommended intervals on shutters exposed to excessive wind loading.

BOTTOM RAIL – The bottom rail shall be extruded aluminium “T” section with the top edge formed to interlock with the bottom slat of the curtain. Box section bottom rail is used with wicket gate option.

GUIDES – The standard guides provided for nylon clipped roll-a-shutters are steel channels cold roll formed from 2.0mm steel, having a minimum depth of 70mm and measuring 38mm across the back. The 100mm deep guide option uses steel channels cold roll formed from 2.5mm steel, with a depth of 100mm and measuring 38mm across the back. When fixing to masonry, these guides shall be fixed securely to walls at intervals of not more than 750mm by 9.5mm diameter masonry anchors and hex head bolts, or as specified for steel work.

WINDLOCK GUIDES – When specified, windlock channel guides cold roll formed from 2.5mm steel with a minimum depth of 85mm and measuring 50mm across the back, with a 40mm x 12mm mild steel bar welded to the inside surface of the guide will be provided. Fabricated windlock guides are also available as an option. The recommended method of securing windlock guides is by 40mm intermittent stagger welds to the steel building structure at 400 mm centres.

DRUM – The drum shall be of steel tube having a minimum O.D of 168mm x 3.18mm wall thickness and designed so that the drum stress does not exceed 124MPa. The drum shall be fitted with bearings and mounted on a bright mild steel spindle having a minimum thickness of 35mm.

SPRINGS – Drum springs shall be helical torsion type, made from spring steel wire conforming to AS1472, designed to fit the drum assembly and of selected length to match the operating revolutions of the rum without exceeding the safe working stress.

BRACKETS – The shutter brackets shall be fabricated from 50mm x 50mm x 6mm M/S angle and supplied with spindle support angles fitted with 12mm steel bolts. Each bracket shall be fixed to the wall with no less than three 12mm masonry anchors and hex head bolts or as specified for steelwork.

GEARS – The gearing shall be spur gears with the gearing ratio selected in accordance with shutter size.

LOCKING – Locking shall be provided for by chain lock cleats welded to guides so as to be lockable by padlock means. Key locking optional. (Electrically power driven shutters have optional locking bars or chain cleats.)

FINISH – Shall be galvanised steel finish with all M/S components prime coated. Optional powdercoat finish available when specified. Hauling chains shall be rust passivated. Colorbond® optional.

CLEARANCES

A1 = GEARSIDE, A2 = PLAIN SIDE, B = HEADROOM, C = END VIEW
(REFER TO CLEARANCE PANEL)

CLEARANCE DIMENSIONS

OPENING SIZE	OPERATION gear ratio	A1 GEAR END	A2 PLAIN END	B RECOMM- ENDED HEADROOM	B MINIMUM HEADROOM	C
UP TO 9.3m ² WINDLOCKS EVERY 4th	4.7:1	240 mm	200 mm	640 mm	590 mm	415 mm
		250 mm	210 mm	780 mm	730 mm	455 mm
UP TO 36m ² WINDLOCKS EVERY 4th	18.8:1	280 mm	200 mm	680 mm	630 mm	485 mm
		290 mm	210 mm	835 mm	785 mm	510 mm
ELECTRIC inside mount		230 mm	570mm to back of STR motor			
ELECTRIC outside mount		460 mm	570mm to back of STR motor			

BRACKET BOLT FIXING
DETAIL

FIXING
Masonry: 12mm ragged bolts or masonry anchors.
Steel: 12mm bolts. **Timber:** 12mm coach bolts.
 “E” = measurement from end of drum (not the gear wheel) to bracket fixing bolts centre line.
 “F” = from end to bracket fixing bolts centre line
 - PLAIN SIDE.

APPROXIMATE WEIGHTS

NOMINAL SIZE	WEIGHTS	NOMINAL SIZE	WEIGHTS
2400mm x 2400mm	200 kg	3900mm x 3900mm	400 kg
3000mm x 3000mm	270 kg	4200mm x 4200mm	450 kg
3300mm x 3300mm	320 kg	4500mm x 4500mm	500 kg
3600mm x 3600mm	360 kg	4800mm x 4800mm	540 kg

New South Wales: B&D Australia, 34-36 Marigold Street, Revesby 2212. ☎ (02) 9722 5555 Fax (02) 9771 3936
Victoria: B&D Australia, 147-153 Canterbury Road, Kilseyth 3137. ☎ (03) 9728 1566 Fax (03) 9237 7760
Queensland: B&D Australia, 37-47 Cobalt Street, Carole Park 4300. ☎ (07) 3271 2500 Fax (07) 93271 3738
South Australia: B&D Australia, 23 Fredrick Road, Royal Park, 5014. ☎ (08) 8447 4747 Fax (08) 8447 4446
Western Australia: B&D Australia, 225 Balcatta Road, Balcatta 6021. ☎ (08) 9344 3333 Fax (08) 9344 3360
Tasmania: Tom Moore & Son, 86 Bass Highway, Burnie 7230 ☎ (03) 64314388 Fax (03) 64314769
International B&D International, 34-36 Marigold Street, Revesby, 2212. ☎ (+612) 9722 5555 Fax (612) 9771 6385
Website - <http://www.bnd.com.au> **E-mail -** bndint@bnd.com.au

B&D Doors are Australian made

The company reserves the right to make changes or improvements to the products and accessories without notice and without incurring any obligation to make similar changes or improvements to goods previously ordered.

Colorbond® and Zinalume® are registered trademarks of BHP Steel (JLA) Pty Ltd.

B&D and Roll-A-Shutter™ are registered trademarks of B&D Australia.

A Division of Evans Deakin Limited A.C.N 000 002 031

