Envir-A-Shutter™

Roll-A-Shutter®
8/50GS
8/50D
4/100
Advantage (6/8/10/12)
Bottom Rails & Optional Weatherseals
Slat Profiles
Additional Options
6/100
8/100
10/100
12/100
Series 40
Series 65
Series 90
Clear-A-View™
Crystal-View

Roll-A-Grille®
12mm
19mm
The Envir-A-Shutter™ is the first fully insulated aluminium shutter. The slat has two aluminium skins that encase a layer of polyurethane insulation. It is the perfect choice for applications that require thermal or sound insulation.

The Envir-A-Shutter is made up of a number of slats that are hinged together and move vertically in the opening, then roll around the torque tube, guided by tracks and aided by springs.

**features**

- Polyurethane contained within the slats to provide thermal insulation properties that reduce heating and cooling costs therefore decreasing environmental impact.

- Sound insulation is provided by the polyurethane infills. This can reduce sound emissions by up to 23Db, resulting in an active decrease in noise pollution.

- Unique brush inserts in the guides decrease friction and noise during operation and enhance the durability of the shutter. When the shutter is closed, the brush inserts also ensure that banging caused by the wind is greatly reduced. Ideal for use in noise sensitive areas such as offices over factories, garages or apartment complexes with a common entry shutter.

- Dual skin slats, guides and bottom rail are manufactured from aluminium. This greatly reduces the risk of rust or corrosion.

- Strong yet lightweight, providing security with style whilst also ensuring a much easier installation.

- Nylon end clips together with unique rubber inserts firmly hold the slats in the guides.

- Can be operated either by hand chain, residential rolling door opener or by 240V ½ HP opener for maximum convenience.

**specifications**

**CURTAIN:** Material: A1 Alloy 3005 H18. This material features extensive rigidity of 205Mpa and yield strength of 187Mpa. The proportion of filled foam is 32kg/m³. Dimensions: 19mm thick and nominal effective slat width of 77mm.

**FINISH:** Curtain: Beckrypol ARS353 coating, which is available in three standard colours, Off White, Pewter and Cream. This is a polyester system modified with polyamide beads to give a high degree of scratch resistance. Shutter slats may also be powder coated. Hauling chains: Zinc dichromate plated.

**CURTAIN CLIPS:** Moulded nylon clips fitted to alternate slats by two rivets.

**BOTTOM RAIL:** Extruded aluminium.

**GUIDES:** A1 alloy, white extruded aluminium channel with brush inserts. Depth 55mm x width 130mm.

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See overleaf for continuation of Specifications...
Envir-A-Shutter

Insulated aluminium shutter

TORQUE TUBE: Material: Galvanised steel. Fitted with 30% glass filled 4.0mm polypropylene homopolymer plastic drums mounted on a 33.7mm axle. Axle end reinforcement on larger doors as specified. Tube diameter: 203mm
Wall thickness: 1.6mm withstands a minimum deflection of 1 in 350mm.

BRACKET FIXING DETAILS: Masonry: Three 10mm masonry anchors and hex head bolts. Steel work: As specified.

GEARS: B&D Series 2 planetary gearing, 4:1 ratio manual gearbox. Electric drive with the gearing ratio selected in accordance with shutter size.

LOCKING: No locking is normally provided.

OPTIONS: Aluminium slide bolts for use with padlocks, chain lock cleats for chain operated and bottom rail centre lift lock for manual operation. Locking is not recommended for use with motorised operation.

Electric Operation: Is available as an option. Please consult B&D Doors or your B&D Dealer for advice.

CLEARANCES

CLEARANCE DIMENSIONS

<table>
<thead>
<tr>
<th>Planetary Gear Drive for smaller doors under either 4500mm high or 4500mm wide</th>
<th>( A_1 )</th>
<th>( A_2 )</th>
<th>( B )</th>
<th>( B(\text{min}) )</th>
<th>( C )</th>
<th>( E )</th>
<th>( F )</th>
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</thead>
<tbody>
<tr>
<td>2200mm x 2000mm</td>
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<td>190mm</td>
<td>630mm</td>
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<td>Gearbox Drive for doors over either 4500mm high or 4500mm wide</td>
<td>( A_1 )</td>
<td>( A_2 )</td>
<td>( B )</td>
<td>( B(\text{min}) )</td>
<td>( C )</td>
<td>( E )</td>
<td>( F )</td>
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<tr>
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<td>190mm</td>
<td>720mm</td>
<td>670mm</td>
<td>495mm</td>
<td>125mm</td>
<td>80mm</td>
</tr>
</tbody>
</table>

All measurements are in millimeters and are minimum unless otherwise shown.

NOTES / INFORMATION

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B) Envir-A-Shutter doors, in normal use, are covered by a 1 year warranty for complete door and parts, conditional on proper care, as recommended in the door’s handbook. Full details of the warranty are available, on request, from your nearest B&D office.
C) The company reserves the right to make changes or improvements to the products or accessories without notice and without incurring any obligation to make similar changes or improvements to goods previously ordered.
D) Prefix Trademarks are trademarks of B&D Australia Pty Ltd. Abuse of these trademarks may result in legal action.
E) B&D products have many patents and registered designs applicable.
F) Details correct at date of publication. Specifications subject to change without notice.
G) The standard Envir-A-Shutter is not suitable for high use/cycle situations. For advice please consult B&D.
8/50GS
industrial slat type shutter

features

• A special steel van shutter model comes complete with centre-controlled key locking.
• Can be adapted for between wall situations or doorways with clearance limitations.

specifications

BOTTOM RAIL: Steel box section, 75mm (h) x 40mm (w) bottom rail. Top edge formed to interlock with the bottom slat of the shutter, cold roll-formed from 2mm steel. Optional extruded aluminium bottom rail 70mm (h) x 54mm (w) base.
Taper: Optional, 30mm - 150mm.
Weatherseal: Standard.
GUIDES: Two types of cold roll formed galvanised steel channel sections used:
50mm channel made from 2.5mm thick material up to 3200mm (w).
75mm channel made from 3.2mm thick material optional to 3200mm (w), standard over 3200mm (w).
DRUM: Openings above 2100mm x 2100mm, a 168mm diameter steel tube with wall thickness of 3.2mm used.
SPRINGS: Helical torsion type drum springs, made from spring steel wire. Spring life 20,000 cycles.
OPERATION: Manual, chain geared or power driven. Chain operated shutters fitted with a spur gear attached to one end of the drum and meshing with a number of gears to give designed gear ratio. Motor driven shutters fitted with a sprocket to one end of the drum and driven by transmission chain.
BRACKETS: 50mm x 50mm x 6mm hot roll steel angle, supplied with spindle support angles or 8-10mm M/S plate.
DIRECT LIFT: Directly driven motor requiring no springs within the drum. Inclusive of a safety brake system. Drive life designed for 100,000 cycles with safe drive, curtain life designed for 50,000 cycles.

size

<table>
<thead>
<tr>
<th></th>
<th>MINIMUM</th>
<th>MAXIMUM</th>
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<tbody>
<tr>
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<td>900mm</td>
<td>5000mm</td>
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<tr>
<td>WIDTH</td>
<td>900mm</td>
<td>5000mm</td>
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</tbody>
</table>
8/50GS
industrial slat type shutter

colours/finishes
Curtain, guides and box bottom rail are zinc coated galvanised steel. Aluminium bottom rails are mill finished aluminium. Option - Curtain and bottom rail in powder coat finish. All mild steel components are prime coated. Hauling chains shall be zinc passivated.

options
- Ventilation: Optional - slotted.
- Mullions: Optional.
- Personnel access: Optional.
  - Wicket gates (inward opening) 1200mm (h) x 600mm (w).
  - Escape gates (outward opening) 2030mm (h) x 1020mm (w).
  - Access gate (inward opening) 2030mm (h) x 1020mm (w).

fixing

<table>
<thead>
<tr>
<th>OPENING ROOM</th>
<th>SIDEROOM MOTOR END</th>
<th>SIDEROOM PLAIN END</th>
<th>HEADROOM</th>
<th>BACKROOM</th>
<th>AXLE TO WALL</th>
<th>AXEL TO LINTEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPRUNG DRUM</td>
<td>A1</td>
<td>A2</td>
<td>B</td>
<td>C</td>
<td>N/S</td>
<td>N/S</td>
</tr>
<tr>
<td>2200mm x 2200mm</td>
<td>370</td>
<td>265</td>
<td>610</td>
<td>670</td>
<td>205</td>
<td>405</td>
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<td>3000mm x 3000mm</td>
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<td>265</td>
<td>610</td>
<td>670</td>
<td>205</td>
<td>405</td>
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<td>3600mm x 3600mm</td>
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<td>670</td>
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<td>425</td>
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<td>4000mm x 4000mm</td>
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<td>650</td>
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<td>670</td>
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<td>445</td>
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<td>5000mm x 5000mm</td>
<td>370</td>
<td>265</td>
<td>690</td>
<td>670</td>
<td>245</td>
<td>445</td>
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</tbody>
</table>

CLEARANCES

All measurements are in millimeters and are minimum unless otherwise shown.

STANDARD PARAMETERS FIXING
Curtain width = Opening width + 120mm
Drum length = Opening width + 220mm
Axle length = Opening width + 720mm

NOTES / INFORMATION
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features

- A special steel van shutter model comes complete with centre-controlled key locking.
- Can be adapted for between wall situations or doorways with clearance limitations.

specifications

BOTTOM RAIL: Steel box section, 75mm (h) x 40mm (w) bottom rail. Top edge formed to interlock with the bottom slat of the shutter, cold roll-formed from 2mm steel. Optional extruded aluminium bottom rail 70mm (h) x 54mm (w) base.
Taper: Optional, 30mm - 150mm.
Weatherseal: Standard.
GUIDES: Two types of cold roll formed galvanised steel channel sections used:
- 50mm channel made from 2.5mm thick material up to 3200mm (w).
- 75mm channel made from 3.2mm thick material optional to 3200mm (w), standard over 3200mm (w).
DRUM: Shutters up to 2100mm (h) x up to 2100mm (w) an 89mm diameter steel tube with wall thickness of 1.6mm used.
SPRINGs: Helical torsion type drum springs, made from spring steel wire. Spring life 20,000 cycles.
OPERATION: Manual, chain geared or power driven.
Chain operated shutters fitted with a spur gear attached to one end of the drum and meshing with a number of gears to give designed gear ratio.
Motor driven shutters fitted with a sprocket to one end of the drum and driven by transmission chain.
BRACKETS: 50mm x 50mm x 6mm mild steel angle, supplied with spindle support angles or 8-10mm M/S plate.
LOCKING: Hand operated: External Bottom rail slide bolt.
Chain Operated: Chain cleat locking.
Options:
- No locking or key locking on bottom rail key locking.
- Rivers lock.

description

Designed for small and light industrial applications. It is used in counters, kiosks & bars, shop trucks & vans.

slats

0.8mm, continuous roll formed, interlocking, coated galvanised steel slats. Nominal effective pitch of 50mm. Zinc coating of not less than 275g/m². The curtain is fitted with moulded nylon clips to the ends of alternate slats by two nylon rivets.

size

<table>
<thead>
<tr>
<th></th>
<th>MINIMUM</th>
<th>MAXIMUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEIGHT</td>
<td>900mm</td>
<td>2100mm</td>
</tr>
<tr>
<td>WIDTH</td>
<td>900mm</td>
<td>2100mm</td>
</tr>
</tbody>
</table>
colours/finishes
Curtain, guides and box bottom rail are zinc coated galvanised steel. Aluminium bottom rails are mill finished aluminium. Option - Curtain and bottom rail in powder coat finish. All mild steel components are prime coated. Hauling chains shall be zinc passivated.

options
- Ventilation: Optional - slotted.
- Mullions: Optional.

fixing

<table>
<thead>
<tr>
<th>OPENING ROOM</th>
<th>SPRUNG DRUM</th>
<th>SIDEROOM MOTOR END</th>
<th>SIDEROOM PLAIN END</th>
<th>HEADROOM</th>
<th>BACKROOM</th>
<th>AXLE TO WALL</th>
<th>AXEL TO LINTEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>900mm x 900mm</td>
<td>150</td>
<td>A1</td>
<td>150</td>
<td>B</td>
<td>320</td>
<td>C</td>
<td>220</td>
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<tr>
<td>1000mm x 1000mm</td>
<td>150</td>
<td>A2</td>
<td>150</td>
<td>B</td>
<td>320</td>
<td>C</td>
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<td>1550mm x 1550mm</td>
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<td>A2</td>
<td>150</td>
<td>B</td>
<td>340</td>
<td>C</td>
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<tr>
<td>2100mm x 2100mm</td>
<td>150</td>
<td>A2</td>
<td>150</td>
<td>B</td>
<td>360</td>
<td>C</td>
<td>260</td>
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</tbody>
</table>

CLEARANCES

All measurements are in millimeters and are minimum unless otherwise shown.

STANDARD PARAMETERS FIXING
Curtain width = Opening width + 120mm
Drum length = Opening width + 220mm
Axle length = Opening width + 720mm

NOTES / INFORMATION
A) For areas within one kilometre of a corrosive environment eg. salt air or industrial fallout, special care and maintenance are generally required for metal products. Consult B&D Doors or your B&D accredited dealer for advice.
B) Roll-A-Shutter doors, in normal use, are covered by a 1 year warranty for complete door and parts, conditional on proper care, as recommended in the door’s handbook. Full details of the warranty are available, on request, from your nearest B&D office.
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features

• Unique design allowing reduced installation time.
• Glass reinforced polypropylene drums inside of spiraduct tubing.
• Curtain comes pre-rolled up on the drum, for simpler installation procedure.
• Utilises 240V ½ HP motor and sprocket or for smaller manual operation use B&D Planetary drive 4:7:1 ratio and for larger manual operation use 18:1 ratio.
• Available in Zincalume®, Powdercoated or COLORBOND®.

specifications

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.
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.

description

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.

screws

High tensile G550 continuous roll formed, interlocking, coated Galvabond® steel slats. Nominal effective pitch of 100mm with 3 small ribs. Zincalume® coating of not less than 150g/m². Moulded nylon clips fitted to end of alternate slats by means of three nylon rivets.

size

<table>
<thead>
<tr>
<th></th>
<th>MINIMUM</th>
<th>MAXIMUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEIGHT</td>
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<td>5500mm</td>
</tr>
<tr>
<td>WIDTH</td>
<td>1900mm</td>
<td>5500mm</td>
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</tbody>
</table>
colours/finishes
Galvanised steel finish with all M/S components prime coated. Optional Zincalume, Colorbond (limited colours) or powder coat finish available when specified. Hauling chains are zinc passivated.

options
- Ventilation: No
- Mullions: No
- Personnel access: No

dimensions

<table>
<thead>
<tr>
<th>OPENING HEIGHT</th>
<th>A1</th>
<th>A2</th>
<th>B</th>
<th>B MIN</th>
<th>C</th>
<th>APPROX. WEIGHT (DRUMS &amp; CURTAIN)</th>
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<tbody>
<tr>
<td>2200mm</td>
<td>280</td>
<td>190</td>
<td>630</td>
<td>580</td>
<td>405</td>
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<tr>
<td>3000mm</td>
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<td>190</td>
<td>680</td>
<td>630</td>
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<td>3600mm</td>
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<td>200kg</td>
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<tr>
<td>4500mm</td>
<td>260</td>
<td>190</td>
<td>720</td>
<td>670</td>
<td>495</td>
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<td>5500mm</td>
<td>260</td>
<td>190</td>
<td>720</td>
<td>670</td>
<td>495</td>
<td>360kg</td>
</tr>
</tbody>
</table>

CLEARANCES

STANDARD PARAMETERS FIXING
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Drum length = Opening width + 220mm
Axle length = Opening width + 720mm

NOTES / INFORMATION
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### Advantage (6/8/10/12)

**Roll-A-Shutter**

**Industrial Slat Type Shutter**

### Description

Robust shutter suited to a multitude of applications including factories, warehouses, carparks, kiosks, bars and more.

### Slats

<table>
<thead>
<tr>
<th>Slat Thickness</th>
<th>Min Height</th>
<th>Max Height</th>
<th>Min Width</th>
<th>Max Width</th>
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<tr>
<td>6/100</td>
<td>900</td>
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<td>7000</td>
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<td>900</td>
<td>12000</td>
</tr>
<tr>
<td>12/100*</td>
<td>900</td>
<td>10000</td>
<td>900</td>
<td>12000</td>
</tr>
</tbody>
</table>

* Up to 10,000 (h) x 11,500 (w) or 8,400 (h) x 12,000 (w).

### Bottom Rail

- **6/100**
- **8/100**
- **10/100**
- **12/100**

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

**Options**

Steel box section, 75mm (h) x 40mm (w) bottom rail. Top edge formed to interlock with bottom slat of shutter, cold roll formed from 2mm steel.

Taper: Optional, Minimum taper 30mm. Maximum taper 150mm.

Weather seal: Standard.

Wind rated not available with wicket gate option. Slats over 7 metres wide or tapered slats requires a box section bottom rail.

### Locking

- **6/100**
- **8/100**
- **10/100**
- **12/100**

Hand operated: External bottom rail slide bolt.

Standard: Internal chain cleat.

**Options**

Key locking: Fitted for aluminium bottom rail.

Locking bolts: For steel bottom rail only. Internal use only. Bottom rail shoot bolt.

Internal and external slide bolts or key locking on aluminium bottom rails up to 4800mm wide.

Rivers lock.

### Specifications

**Guides:** Steel channel, cold roll formed, 2.0mm steel, depth of 70mm.

**High Wind Locking:** Roll formed guide 3mm thick steel 90 x 50 for high wind shutters up to 6.5m high. Roll formed guide 3mm thick steel 90 x 50 on RHS back jamb 5mm thick steel 75 x 50 for high wind shutters over 6.5m high.

**Springs:** Helical torsion type drum springs, made from spring steel wire. Spring life designed for 20,000 cycles.

**Drum:** Steel tube drum, a minimum O.D of 168mm x 3.18mm wall thickness. Designed so drum stress does not exceed 124MPa. Drum is fitted with bearings, mounted on a bright mild steel spindle with a minimum thickness of 35mm.

**Operation:** Manual hauling chain on guide rope, chain geared or power driven.

**Direct Lift:** Directly driven motor requiring no springs within the drum. Inclusive of a safety brake system.

Drive life designed for 100,000 cycles with safe drive*. 6/100 & 8/100 slats are only designed for 50,000 cycles.

**Bracket:** Two piece bracket can be mounted inside or outside, or on either side of opening. 12mm mild steel construction.

### Colours/Finishes

Galvanised steel finish with all M/S components prime coated. Optional powder coat finish available when specified. Hauling chains shall be zinc passivated. Colorbond is optional.

### Options

- **Ventilation:** Optional - slotted, hole punched.
- ** Mullions:** Optional.
- **Personnel access:** Optional.
  - Wicket gates (inward opening) 1200mm (h) x 600mm (w).
  - Escape gates (outward opening) 2030mm (h) x 1020mm (w).
  - Access gate (inward opening) 2030mm (h) x 1020mm (w).
- **Windlocked:** Optional.
- **Tapers:** 30mm to 150mm.
## Advantage (6/8/10/12)

**Industrial Slat Type Shutter**

### Slat Perforation

<table>
<thead>
<tr>
<th>SLAT THICKNESS</th>
<th>SOLID SLAT</th>
<th>PERFORATION</th>
<th>SLOTTED SLAT (% FREE AREA PER SLAT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/100</td>
<td>N/A</td>
<td>N/A</td>
<td>32mm Round (14.5%) 8 x 77 (4%) 18.5 x 101 (13%)</td>
</tr>
<tr>
<td>8/100</td>
<td>N/A</td>
<td>N/A</td>
<td>32mm Round (14.5%) 8 x 77 (4%) 18.5 x 101 (13%)</td>
</tr>
<tr>
<td>10/100</td>
<td>N/A</td>
<td>(40%)</td>
<td>32mm Round (14.5%) 8 x 77 (4%) 18.5 x 101 (13%)</td>
</tr>
<tr>
<td>12/100</td>
<td>N/A</td>
<td>N/A</td>
<td>32mm Round (14.5%) 8 x 77 (4%) 18.5 x 101 (13%)</td>
</tr>
</tbody>
</table>

### Notes / Information

A) For areas within one kilometre of a corrosive environment, e.g. salt air or industrial fallout, special care and maintenance are generally required for metal products. Consult B&D Doors or your B&D accredited dealer for advice.

B) Roll-A-Shutter doors, in normal use, are covered by a 1 year warranty for complete door and parts, conditional on proper care, as recommended in the door’s handbook. Full details of the warranty are available, on request, from your nearest B&D office.

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

D) Prefixed Trademarks are trademarks of B&D Australia Pty Ltd. Abuse of these trademarks may result in legal action.

E) B&D products have many patents and registered designs applicable.

F) Details correct at date of publication. Specifications subject to change without notice.
Advantage (6/8/10/12) bottom rails & optional weatherseals

**bottom rails**

- Aluminium ‘T’ section bottom rail. Top edge formed to interlock with the bottom slat of the shutter.
- Box section bottom rail used with wicket gate and windlocked options.
  (box section bottom rail not available on 4/100).
- Box section bottom rail standard for over 7000mm (w) for added strength and security.
- Box section bottom available on all doors as an option.

Aluminium ‘T’ section bottom rail shown with weatherseal.

Box section bottom rail heavy duty steel box section available as optional. Weatherseal available as an option (not shown).

---

**NOTES / INFORMATION**

A) 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) B&D reserves the right to change product specifications at any time.

C) Take care when handling and storing slats. Damage to the slats can affect door performance.
## Roll-A-Shutter®

### Advantage (6/8/10/12) slat profiles

**PERFORATION SLOTTING OPTIONS FOR THE ROLL-A-SHUTTER ADVANTAGE RANGE (6/100, 8/100, 10/100 & 12/100)**

<table>
<thead>
<tr>
<th>SLAT THICKNESS</th>
<th>SOLID SLAT</th>
<th>PERFORATION</th>
<th>SLOTTED SLAT (% FREE AREA PER SLAT*)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/100</td>
<td><img src="image" alt="Solid Slat 6/100" /></td>
<td><img src="image" alt="Perforation 6/100" /></td>
<td><img src="image" alt="Sloated Slat 6/100" /></td>
</tr>
<tr>
<td></td>
<td>32mm Round (14.5%)</td>
<td>8 x 75mm (4%)</td>
<td>19 x 101mm (13%)</td>
</tr>
<tr>
<td>8/100</td>
<td><img src="image" alt="Solid Slat 8/100" /></td>
<td><img src="image" alt="Perforation 8/100" /></td>
<td><img src="image" alt="Sloated Slat 8/100" /></td>
</tr>
<tr>
<td></td>
<td>32mm Round (14.5%)</td>
<td>8 x 75mm (4%)</td>
<td>19 x 101mm (13%)</td>
</tr>
<tr>
<td>10/100</td>
<td><img src="image" alt="Solid Slat 10/100" /></td>
<td><img src="image" alt="Perforation 10/100" /></td>
<td><img src="image" alt="Sloated Slat 10/100" /></td>
</tr>
<tr>
<td></td>
<td>32mm Round (14.5%)</td>
<td>8 x 75mm (4%)</td>
<td>19 x 101mm (13%)</td>
</tr>
<tr>
<td>12/100</td>
<td><img src="image" alt="Solid Slat 12/100" /></td>
<td><img src="image" alt="Perforation 12/100" /></td>
<td><img src="image" alt="Sloated Slat 12/100" /></td>
</tr>
<tr>
<td></td>
<td>32mm Round (14.5%)</td>
<td>8 x 75mm (4%)</td>
<td>19 x 101mm (13%)</td>
</tr>
<tr>
<td>Windlock</td>
<td><img src="image" alt="Solid Windlock" /></td>
<td><img src="image" alt="Perforation Windlock" /></td>
<td><img src="image" alt="Sloated Windlock" /></td>
</tr>
<tr>
<td></td>
<td>120mm</td>
<td>24mm</td>
<td>24mm</td>
</tr>
</tbody>
</table>

*Ventilation % worked out per slat, with every second slat being a solid slat.

### Notes / Information

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B) B&D reserves the right to change product specifications at any time.

C) Take care when handling and storing slats. Damage to the slats can affect door performance.
**Roll-A-Shutter:**

**Advantage (6/8/10/12)**

**additional options**

**bottom rails**

All shutters are equipped with bottom rails as shown below.

The steel box section bottom rail is 75mm high x 40mm wide, cold roll formed from 2mm galvanised steel, with the top edge forms to interlock with the bottom slat. The aluminium bottom rail is 70mm high x 54mm wide extruded aluminium T section with the top edge formed to interlock with the bottom slat of the curtain.

![Steel bottom rail (section)](image)

- **Aluminium bottom rail (extrusion)**
- **Steel bottom rail (section)**

**nylon and windlocked end clips**

All shutters, with the exception of some windlocked types, are fitted with specially moulded nylon end clips to ensure smooth quiet, low friction operation.

![Nylon end clips](image)

- **Nylon end clips**

![Steel windlocked end clips](image)

- **Steel windlocked end clips**

**gears**

Chain operated shutters are fitted with a spur gear attached to one end of the drum and meshing with a number of gears to give a desired gear ration, depending on shutter size. Motor driven shutters are fitted with a sprocket to one end of the drum and driven by transmission chain.

**drums**

Heavy duty drum and bracket assemblies for long, reliable product life. For openings up to and including 2100mm x 2100mm, an 89mm diameter steel tube with a wall thickness of 1.6mm is used for the drum. For openings above 2100mm x 2100mm, a 168mm diameter steel tube with a wall thickness of 3.2mm is used.

**brackets**

The shutter support brackets are fabricated from 50x50x6mm mild steel angle, supplied with spindle support angles and fitted with 12mm steel bolts. Each bracket is fixed to the wall with no less than 12mm masonry anchors and hex head bolts or may be welded directly to steelwork.

**springs**

The springs are a helical torsion type made from spring steel wire conforming to AS1472. These are designed to suit to opening dimensions, without exceeding the safe working stress limits.

**locking**

Hand operated shutters are fitted with bottom rail locking bars as standard. Chain operated shutters are fitted with a chain cleat lock as standard, which is welded to the guide and is lockable by means of a padlock. Motor driven shutters are not to be fitted with locking bars, chain cleats or key locking, unless supplied with safety electrical switches. Optional bottom rail key locking is available when specified.

![Padbolt locking](image)

- **A - Bottom rail**
- **B - Locking bar: 1 each side**
- **C - Locking bar keeper**
- **D - Guide**
**electric operation**

All shutters can be electrically operated, (except 8/50D). The optional unit can be supplied complete with self contained limit switches, wall mounted control box, reversing type starter with thermal overload, grease filled heavy duty worm drive gearbox and emergency chain operation in case of power failure.

Motor and drive chain size are selected to suit the specific type and size of shutter, and the complete unit is mounted on the main shutter support bracket.

The standard motor unit position is externally mounted beside the opening, it can be fitted internally if sideroom is limited. 3 phase motors are supplied as standard, however, single phase, logic controls and other units are available upon request, as optional extras.

Limit switch adjustment and power connection are all that is required of the purchaser’s electrician to complete installation.

**NOTE:** In the event of a power failure, all B&D electrically operated shutters are equipped with an emergency hauling chain that will allow manual operation.

**ventilation**

All shutters can be supplied with slotted or perforated slats for ventilation purposes, to a maximum of 14.5% with slotting and 40% with perforation, of curtain surface area, depending on model selected. Windlocked shutters cannot be ventilated.

**guides standard and windlocked**

Two types of cold roll formed galvanised steel channel sections are used, on non windlocked shutters. 50mm channel made from 2.5mm thick material and 75mm channel made from a 3.2mm thick material. Both are formed with an internal working clearance for the curtain clips. The top of the channel is flared to facilitate entry of the curtain. The guides are fixed securely to the walls at intervals of not more than 750mm x 9.5mm masonry anchors and hex head bolts, or may be welded directly to steelwork.

For high wind force conditions, 10/100, 8/100 and 6/100 shutters can be fitted with cast steel windlock clips and steel roll formed guides. The windclips prevent the curtain from deflecting out of the guide due to extreme wind pressure. Roll formed guides are 3mm thick steel 90 x 50. Recommended method of securing roll formed guides is by 40mm long intermittent fillet welds to the steel building structure at 250mm centres. Roll formed guides and rectangular hollow section backjambs are available as an option.

**key locking**

Key locking is available for all types of shutters up to 4800mm wide. 10/100 shutters can also be supplied with a key operated mortice lock fitted into the heavy duty steel box section bottom rail.

**sloping floors**

Specially tapered bottom rail assemblies are available for all steel shutters to suit sloping floors.

**mullions**

Very wide openings can be accommodated with a variety of fixed or removable mullions. The range covers life out, sliding and winch operated hinged types to meet any shutter size or requirements.
wicket and escape gates

Wicket gates can be fitted to all non windlocked shutters either on the left hand or right hand side and include a key operated night latch. Wicket gates open on the inside and are hinged from the side guides. Gates are 1220mm high x 610mm wide and fit into the shutter curtain 300mm up from the bottom rail.

Escape gates are special outward opening, full size gates. Escape gates are fitted at floor level and cannot be manufactured with a taper. Available on request doors may be manufactured to swing inwards. Escape and Access gate size 2030 high x 1020 wide.

NOTE: There will remain a 10mm high bar across the floor of the opening when the escape gate is open.

rust protection

Curtains are of zinc coated steel or aluminium and the slats are self draining to prevent moisture retention. All steel components including guides, bottom rails, brackets, drum assemblies, etc. are either zinc coated or zinc or red oxide primed. All geared shutters have fully plated hand chains.

restricted sideroom

The use of an optional train of gears will reduce the side clearance required on the gear end to 200mm. An optional combined bracket/guide will reduce the clearance required on the plain end to 127mm. It should also be noted that shutters may also be installed on external walls, with the curtain rolled in reverse.

fixings

It is essential that the structure to which the shutter is to be fixed is of sufficient strength to support the operation load of the shutter to be used. In this regard, B&D expressly stipulate that the provision of fixing surfaces which will ensure adequate strength to carry the shutter are not the responsibility of the B&D.

elevation

---

PLAIN SIDE

1. Gear wheels
2. Pinion wheels
3. Chain guide
4. Chain pulley
5. Fabricated-Plain bracket
6. Fabricated-Gear bracket

ELEVATION

A1 A2

GUIDES

OPENING WIDTH

GEAR SIDE

A1. Sideroom Gear Side
A2. Sideroom Plain Side
B. Headroom
C. Rearward clearance

---

NOTE: There will remain a 10mm high bar across the floor of the opening when the escape gate is open.
features

- The 6/100 is easily operated manually, no chain wheel up to 7.5m².
- Chain geared or electrically powered also available.

specifications


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

HIGH WIND LOCKING: Roll formed guide 3mm thick steel 90 x 50 for high wind shutters up to 6.5m high. Roll formed guide 3mm thick steel 90 x 50 on RHS back jamb 5mm thick steel 75 x 50 for high wind shutters over 6.5m high.

DRUM: Steel tube drum, a minimum O.D of 168mm x 3.18mm wall thickness. Designed so drum stress does not exceed 124MPa. Drum is fitted with bearings, mounted on a bright mild steel spindle with a minimum thickness of 35mm.

SPRINGS: Helical torsion type drum springs, made from spring steel wire conforming to AS1472. Spring life 20,000 cycles.

DIRECT LIFT: Directly driven motor requiring no springs within the drum. Inclusive of a safety brake system. Drive life of 100,000 cycles.

OPERATION: Manual, chain geared or power driven.

BRACKETS: Two piece bracket can be mounted inside or outside, or on either side of opening. 12mm mild steel construction.

LOCKING:

- Hand operated: External Bottom rail slide bolt.
- Key locking: Fitted for aluminium bottom rail.
- Locking bolts: For steel bottom rail only.
- Internal use only.
- Options: No.
- Internal and external slide bolts or key locking on aluminium bottom rails up to 4800mm wide.

description

Designed for general purpose, light industrial applications such as factories and warehouses. It is typically used in carparks, counters, kiosks & bars, emergency service, restaurants, showrooms and supermarket entrances.

slats

0.6mm, continuous roll formed, interlocking, coated galvanised steel slats. Nominal effective pitch of 100mm. Zinc coating of not less than 275g/m².

size

900mm to 6000mm (h) and 900mm to 7000mm (w).
**6/100**

**industrial slat type shutter**

**colours/finishes**

Galvanised steel finish with all M/S components prime coated. Optional powder coat finish available when specified. Hauling chains shall be zinc passivated. Colorbond is optional.

**options**

- Ventilation: Optional - slotted, hole punched.
- Mullions: Optional.
- Personnel access: Optional.
  - Wicket gates (inward opening) 1200mm (h) x 600mm (w). Not available on wind rated.
  - Escape gates (outward opening) 2030mm (h) x 1020mm (w).
  - Access gate (inward opening) 2030mm (h) x 1020mm (w).

**dimensions**

| Planetary Gear Drive for smaller doors under either 4500mm high or 4500mm wide | A1 | A2 | B | B MIN | C | E | F | APPROX WEIGHT (DRUMS & CURTAIN) |
|---|---|---|---|---|---|---|---|---|---|
| 2200mm x 2200mm | 270 | 180 | 630 | 580 | 405 | 145 | 80 | 110kg |
| 3000mm x 3000mm | 270 | 180 | 680 | 630 | 455 | 145 | 80 | 160kg |
| 3600mm x 3600mm | 270 | 180 | 700 | 650 | 475 | 145 | 80 | 200kg |

**CLEARANCES**

**BRACKET BOLT FIXING DETAIL**

**FIXING**

- “D” = Door jamb opening to end of drum is 100mm.
- “E” = Measurement from end of drum (not the gear wheel) to the fixing bolt centre line – Gear side.
- “F” = Measurement from end of drum to the fixing bolt centre line – Plain side.

**STANDARD PARAMETERS FIXING**

Curtain width = Opening width + 120mm
Drum length = Opening width + 200mm
Axle length = Opening width + 700mm

All measurements are in millimeters and are minimum unless otherwise shown.

**NOTES / INFORMATION**

A) For areas within one kilometre of a corrosive environment eg. salt air or industrial fallout, special care and maintenance are generally required for metal products. Consult B&D Doors or your B&D accredited dealer for advice.
B) Roll-A-Shutter doors, in normal use, are covered by a 1 year warranty for complete door and parts, conditional on proper care, as recommended in the door’s handbook. Full details of the warranty are available, on request, from your nearest B&D office.
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November 2017
SECTION 10/17
8/100
industrial slat type shutter

features
• Operation by way of a wide choice of manual, chain geared or power driven methods, ensuring minimal operational effort.

specifications
BOTTOM RAIL: Extruded aluminium T section bottom rail. Top edge formed to interlock with the bottom slat of the shutter. Box section bottom rail used with wicket gate option.
Taper: Optional. Minimum 30mm. Maximum 150mm.
Weatherseal: Standard.
Wind rated: Optional (box rail required).
GUIDES: Steel channel, cold roll formed, 2.0mm steel, aluminium depth of 70mm.
HIGH WIND LOCKING: Roll formed guide 3mm thick steel 90 x 50 for high wind shutters up to 6.5m high. Roll formed guide 3mm thick steel 90 x 50 on RHS back jamb 5mm thick steel 75 x 50 for high wind shutters over 6.5m high.
DRUM: Steel tube drum, a minimum O.D of 168mm x 3.18mm wall thickness. Designed so drum stress does not exceed 124MPa. Drum is fitted with bearings, mounted on a bright mild steel spindle with a minimum thickness of 35mm.
SPRINGS: Helical torsion type drum springs, made from spring steel wire conforming to AS1472. Spring life 20,000 cycles.
DIRECT LIFT: Directly driven motor requiring no springs within the drum. Inclusive of a safety brake system. Drive life of 100,000 cycles.
OPERATION: Manual, chain geared or power driven.
BRACKETS: Two piece bracket can be mounted inside or outside, or on either side of opening. 12mm mild steel construction.
LOCKING:
Hand operated: Bottom rail shoot bolt.
Key locking: Fitted for aluminium bottom rail. Locking bolts: For steel bottom rail only.
Internal use only.
Options: No.
Internal and external slide bolts or key locking on aluminium bottom rails up to 4800mm wide.

description
Designed for most general purpose allocations, medium size factory doorways. It is typically used in carparks, counters, kiosks & bars, emergency service, restaurants, showrooms and supermarket entrances.

slats

0.8mm, continuous roll formed, interlocking, coated galvanised steel slats. Nominal effective pitch of 100mm. Zinc coating of not less than 275g/m².

size
900mm to 6000mm (h) and 900mm to 7000mm (w).
8/100
industrial slat type shutter

colours/finishes
Galvanised steel finish with all M/S components prime coated. Optional powder coat finish available when specified. Hauling chains shall be zinc passivated. Colorbond is optional.

options
• Ventilation: Optional - slotted, hole punched.
• Mullions: Optional.
• Personnel access: Optional.
  - Wicket gates (inward opening) 1200mm (h) x 600mm (w).
  - Escape gates (outward opening) 2030mm (h) x 1020mm (w).
  - Access gate (inward opening) 2030mm (h) x 1020mm (w).

dimensions

<table>
<thead>
<tr>
<th>AO</th>
<th>AO</th>
<th>B</th>
<th>B MIN</th>
<th>C</th>
<th>E</th>
<th>F</th>
<th>APPROX WEIGHT (DRUMS &amp; CURTAIN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2200mm x 2200mm</td>
<td>270</td>
<td>180</td>
<td>630</td>
<td>580</td>
<td>405</td>
<td>145</td>
<td>80</td>
</tr>
<tr>
<td>3000mm x 3000mm</td>
<td>270</td>
<td>180</td>
<td>680</td>
<td>630</td>
<td>455</td>
<td>145</td>
<td>80</td>
</tr>
<tr>
<td>3600mm x 3600mm</td>
<td>270</td>
<td>180</td>
<td>700</td>
<td>650</td>
<td>475</td>
<td>145</td>
<td>80</td>
</tr>
</tbody>
</table>

CLEARANCES

FIXING
“D” = Door jamb opening to end of drum is 100mm.
“E” = Measurement from end of drum (not the gear wheel) to the fixing bolt centre line - Gear side.
“F” = Measurement from end of drum to the fixing bolt centre line - Plain side.

STANDARD PARAMETERS FIXING
Curtain width = Opening width + 120mm
Drum length = Opening width + 200mm
Axle length = Opening width + 700mm

All measurements are in millimeters and are minimum unless otherwise shown.

NOTES / INFORMATION
A) For areas within one kilometre of a corrosive environment eg. salt air or industrial fallout, special care and maintenance are generally required for metal products. Consult B&D Doors or your B&D accredited dealer for advice.
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RETURN TO INDEX
10/100
industrial slat type shutter

features

• Custom built with chain or heavy duty electric operation.

specifications

BOTTOM RAIL: Steel box section, 75mm (h) x 40mm (w) bottom rail. Top edge formed to interlock with bottom slat of shutter, cold roll formed from 2mm steel.


GUIDES: Steel channel, cold roll formed, 2.0mm steel, aluminium depth of 70mm.

HIGH WIND LOCKING: Roll formed guide 3mm thick steel 90 x 50 for high wind shutters up to 6.5m high. Roll formed guide 3mm thick steel 90 x 50 on RHS back jamb 5mm thick steel 75 x 50 for high wind shutters over 6.5m high.

DRUM: Shutters up to 6000mm (h) x up to 7000mm (w) steel tube drum, a minimum O.D of 168mm x 3.18mm wall thickness. Designed so drum stress does not exceed 124MPa. Drum is fitted with bearings, mounted on a bright mild steel spindle with a minimum thickness of 35mm.

SPRINGS: Elical torsion type drum springs, made from spring steel wire conforming to AS1472. Spring life 20,000 cycles. For applications greater than 6m high, springless drum, with safety break motor will apply.

DIRECT LIFT: Directly driven motor requiring no springs within the drum. Inclusive of a safety brake system. Drive life of 100,000 cycles.

OPERATION: Manual, chain geared or power driven. For applications 25sqm, chain operation is an option. Above 25sqm, electric operation is required. For high cycle applications, springless operation is recommended.

BRACKETS: Two piece bracket can be mounted inside or outside, or on either side of opening. 16mm mild steel construction.

LOCKING:
Bottom rail shoot bolt.
Key locking (fitted) for aluminium bottom rail.
Locking bolts for steel bottom rail only.
Internal use only.
Rivers lock.

description

Robust access door, for building perimeter security or storage applications. It is typically used in aircraft hangers, carparks, counters, kiosks & bars, emergency service and storm recovery buildings, showrooms and supermarket entrances.

Roll-A-Shutter passed impact penetration testing with James Cook University Cyclone Testing Station.

slats

1.0mm, continuous roll formed, interlocking, coated galvanised steel slats. Nominal effective pitch of 100mm. Zinc coating of not less than 275g/m².

size

900mm to 10000mm (h) and 900mm to 12000mm (w).
**10/100**

*industrial slat type shutter*

**colours/finishes**
Galvanised steel finish with all M/S components prime coated. Optional powerdercoat finish available when specified. Hauling chains shall be zinc passivated.

**options**
- Ventilation: Optional - slotted, perforated, hole punched.
- Mullions: Optional.
- Personnel access: Optional.
  - Wicket gates (inward opening) 1200mm (h) x 600mm (w).
  - Escape gates (outward opening) 2030mm (h) x 1020mm (w).
  - Access gate (inward opening) 2030mm (h) x 1020mm (w).

**dimensions**

| Planetary Gear Drive for smaller doors under either 4500mm high or 4500mm wide |
|-----------------------------|------|-------|--------|-----|------|------|----------------|
|                            | A1   | A2   | B      | B MIN| C    | E    | F     | APPROX WEIGHT (DRUMS & CURTAIN) |
| 2200mm x 2200mm            | 270  | 180  | 630    | 580  | 405  | 145  | 80    | 110kg |
| 3000mm x 3000mm            | 270  | 180  | 680    | 630  | 455  | 145  | 80    | 160kg |
| 3600mm x 3600mm            | 270  | 180  | 700    | 650  | 475  | 145  | 80    | 200kg |

**CLEARANCES**

**FIXING**
“D” = Door jamb opening to end of drum is 100mm.
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“F” = Measurement from end of drum to the fixing bolt centre line – Plain side.

**STANDARD PARAMETERS FIXING**
- Curtain width = Opening width + 120mm
- Drum length = Opening width + 200mm
- Axle length = Opening width + 700mm

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F) Details correct at date of publication. Specifications subject to change without notice.
12/100
industrial slat type shutter

features
- Custom built with chain or heavy duty electric operation.

specifications
BOTTOM RAIL: Steel box section, 75mm (h) x 40mm (w) bottom rail. Top edge formed to interlock with bottom slat of shutter, cold roll formed from 2mm steel.
GUIDES: Steel channel, cold roll formed, 2.0mm steel, aluminium depth of 70mm.

HIGH WIND LOCKING: Roll formed guide 3mm thick steel 90 x 50 for high wind shutters up to 6.5m high. Roll formed guide 3mm thick steel 90 x 50 on RHS back jamb 5mm thick steel 75 x 50 for high wind shutters over 6.5m high.

DRUM: Shutter up to 6000mm (h) x up to 7000mm (w) steel tube drum, a minimum O.D of 168mm x 3.18mm wall thickness. Designed so drum stress does not exceed 124MPa. Drum is fitted with bearings, mounted on a bright mild steel spindle with a minimum thickness of 35mm.

SPRING: Elasic torsion type drum springs, made from spring steel wire conforming to AS1472. Spring life 20,000 cycles. For applications greater than 6m high, springless drum, with safety break motor will apply.

DIRECT LIFT: Directly driven motor requiring no springs within the drum. Inclusive of a safety brake system. Drive life of 100,000 cycles.

OPERATION: Manual, chain geared or power driven. For applications 25sqm, chain operation is an option. Above 25sqm, electric operation is required. For high cycle applications, springless operation is recommended.

BRACKETS: Two piece bracket can be mounted inside or outside, or on either side of opening. 16mm mild steel construction.

LOCKING:
Bottom rail shoot bolt.
Key locking (fitted) for aluminium bottom rail.
Locking bolts for steel bottom rail only.
Internal use only.
Rivers lock.

description
Robust access door, for building perimeter security or storage applications. It is typically used in aircraft hangers, carparks, counters, kiosks & bars, emergency service and storm recovery buildings, showrooms and supermarket entrances.

Roll-A-Shutter passed impact penetration testing with James Cook University Cyclone Testing Station.

slats
1.0mm, continuous roll formed, interlocking, coated galvanised steel slats. Nominal effective pitch of 100mm. Zinc coating of not less than 275g/m².

size
900mm to 10000mm (h) and 900mm to 12000mm (w).
**12/100 industrial slat type shutter**

**colours/finishes**
Galvanised steel finish with all M/S components prime coated. Optional powerdercoat finish available when specified. Hauling chains shall be zinc passivated.

**options**
- Ventilation: Optional - slotted, perforated, hole punched.
- Mullions: Optional.
- Personnel access: Optional.
  - Wicket gates (inward opening) 1200mm (h) x 600mm (w).
  - Escape gates (outward opening) 2030mm (h) x 1020mm (w).
  - Access gate (inward opening) 2030mm (h) x 1020mm (w).

**dimensions**

<table>
<thead>
<tr>
<th></th>
<th>A1</th>
<th>A2</th>
<th>B</th>
<th>B MIN</th>
<th>C</th>
<th>E</th>
<th>F</th>
<th>APPRAX WEIGHT (DRUMS &amp; CURTAIN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2200mm x 2200mm</td>
<td>270</td>
<td>180</td>
<td>630</td>
<td>580</td>
<td>405</td>
<td>145</td>
<td>80</td>
<td>110kg</td>
</tr>
<tr>
<td>3000mm x 3000mm</td>
<td>270</td>
<td>180</td>
<td>680</td>
<td>630</td>
<td>455</td>
<td>145</td>
<td>80</td>
<td>160kg</td>
</tr>
<tr>
<td>3600mm x 3600mm</td>
<td>270</td>
<td>180</td>
<td>700</td>
<td>650</td>
<td>475</td>
<td>145</td>
<td>80</td>
<td>200kg</td>
</tr>
</tbody>
</table>

**CLEARANCES**

**FIXING**
- “D” = Door jamb opening to end of drum is 100mm.
- “E” = Measurement from end of drum (not the gear wheel) to the fixing bolt centre line – Gear side.
- “F” = Measurement from end of drum to the fixing bolt centre line – Plain side.

**STANDARD PARAMETERS FIXING**
- Curtain width = Opening width + 120mm
- Drum length = Opening width + 200mm
- Axle length = Opening width + 700mm

All measurements are in millimeters and are minimum unless otherwise shown.
Roll-A-Shutter®

Series 40
industrial type aluminium shutter

Features
- Ideal for sporting complexes, clubs, bars, fire reel enclosures and counter tops.
- High level of security.
- Supplied in a vast range of sizes and colour finishes.
- Can be slotted on request to provide ventilation where necessary or to create a more contemporary appearance. Where sloting is required for aesthetics only, a clear polycarbonate backing panel can be supplied to each interlocking slat within the door curtain, to prevent the entrance of foreign particles.

Description
The B&D Roll-A-Shutter® Series 40 Industrial Type Aluminium Shutter has a slimline, flat slat curtain, specifically designed from aluminium extrusion to provide a high level of security.

Suitable for applications such as retail shopfronts, secure parking structures, arcades, sporting complexes, clubs, bars and counter tops.

Profile

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>Roll-A-Shutter® Series 40</td>
</tr>
<tr>
<td>Max door height</td>
<td>4000mm</td>
</tr>
<tr>
<td>Max door width</td>
<td>6400mm</td>
</tr>
<tr>
<td>Locking</td>
<td>Two way mortice key or sliding shoot bolt locking</td>
</tr>
<tr>
<td>Drum type</td>
<td>150mm or 229mm diameter spiral ducted tube</td>
</tr>
<tr>
<td>Taper option</td>
<td>No</td>
</tr>
<tr>
<td>High wind option</td>
<td>No</td>
</tr>
</tbody>
</table>

Size range
Suitable for openings ranging from 900mm to 4000mm (h) and up to 6400mm (w).

Specifications

Bottom rails: Sturdy T-Rail aluminium bottom rail which provides additional strength to the door. This bottom rail may be supplied with an optional weather seal to prevent the unwanted entry of foreign particles.

Roller drum: 150mm or 229mm spiral drum rotating on a 34mm heavy duty shaft fitted with high speed industrial bearing & helical springs to counterbalance the door in accordance with the manufacturers specifications.

Curtain: 40mm x 1.6mm Aluminium extrusion. Alternative aluminium sections are fitted with moulded end clips to reduce friction. Running in 50mm x 30mm extruded guides.

Spring assisted drum assembly: The spring assisted counterbalanced roller drum is fabricated from high quality steel spiral ducted tube or spiral welded tube. The central shaft carries helical springs to ensure smooth and effortless operation.

Operation: Either manually operated or motorised depending upon size requirements. There are a range of electric motors available depending on application and usage.

Versatile tracking system: The 50mm x 30mm aluminium door tracks can be mounted between wall fix or behind wall fix. The guides can also accommodate a rubber twin fin extrusion or mohair felt buffer to ensure a quieter operation. Manual doors only are fitted with door stops.
Series 40
industrial type aluminium shutter

LOCKING: May be fitted with a centrally mounted locking mechanism within the bottom rail. The locking mechanisms are generally concealed behind extruded polycarbonate covers for aesthetics and tamper proofing. Locking is not recommended for motorised doors.

SLOTTING: Provide 95mm x 25mm vent slots at 70mm spacing as required in the roller shutter. Slotting may include polycarbonate backing panel to reduce foreign particle entrance.

WARRANTY: A 12 month limited material, labour and workmanship warranty applies.

colours/finishes
- Supplied in a vast range of colour finishes.

dimensions

<table>
<thead>
<tr>
<th>Door Height</th>
<th>Roll Diameter</th>
<th>Centre of Axle from Wall</th>
<th>Roll Diameter</th>
<th>Centre of Axle from Wall</th>
</tr>
</thead>
<tbody>
<tr>
<td>900</td>
<td>200</td>
<td>110</td>
<td>270</td>
<td>145</td>
</tr>
<tr>
<td>1200</td>
<td>215</td>
<td>117</td>
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<td>150</td>
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<tr>
<td>1500</td>
<td>230</td>
<td>125</td>
<td>290</td>
<td>155</td>
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<tr>
<td>1800</td>
<td>250</td>
<td>135</td>
<td>290</td>
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<tr>
<td>2100</td>
<td>260</td>
<td>140</td>
<td>310</td>
<td>165</td>
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<tr>
<td>2400</td>
<td>260</td>
<td>140</td>
<td>320</td>
<td>170</td>
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<td>2700</td>
<td>275</td>
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<td>180</td>
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<tr>
<td>3000</td>
<td>290</td>
<td>155</td>
<td>340</td>
<td>180</td>
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<tr>
<td>3300</td>
<td>315</td>
<td>167</td>
<td>355</td>
<td>187</td>
</tr>
<tr>
<td>4000</td>
<td>325</td>
<td>172</td>
<td>370</td>
<td>195</td>
</tr>
</tbody>
</table>

All measurements are in millimeters.
Roll-A-Shutter:

Series 65
industrial type aluminium shutter

features

- Ideal for shopping centre shopfronts, storage rooms, arcades, sporting complexes, clubs and bars.
- High level of security.
- Supplied in a vast range of sizes and colour finishes.
- The door curtain can be slotted to create a different design or increase ventilation where necessary. Slotted curtains can be manufactured on request with a clear poly carbonate backing panel to ensure the prevention of foreign particle entry.

description

The B&D Roll-A-Shutter® Series 65 Industrial Type Aluminium Shutter has an interlocking slat curtain and is specifically designed from aluminium extrusion to provide an attractive appearance without compromising door security.

Suitable for applications such as retail shopfronts, arcades, sporting complexes, clubs and bars.

profile

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Roll-A-Shutter® Series 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX DOOR HEIGHT</td>
<td>4000mm</td>
</tr>
<tr>
<td>MAX DOOR WIDTH</td>
<td>6000mm</td>
</tr>
<tr>
<td>LOCKING</td>
<td>Two way mortice key or sliding shoot bolt locking</td>
</tr>
<tr>
<td>DRUM TYPE</td>
<td>148mm or 229mm diameter spiral ducted tube</td>
</tr>
<tr>
<td>TAPER OPTION</td>
<td>No</td>
</tr>
<tr>
<td>HIGH WIND OPTION</td>
<td>No</td>
</tr>
</tbody>
</table>

size range

Suitable for openings ranging from 900mm to 4000mm (h) and up to 6000mm (w).

specifications

BOTTOM RAILS: Sturdy T-Rail aluminium bottom rail which provides additional strength to the door. This bottom rail may be supplied with an optional weather seal to prevent the unwanted entry of foreign particles.

ROLLER DRUM: 148mm or 229mm spiral drum rotating on a 34mm heavy duty shaft fitted with high speed industrial bearing & helical springs to counterbalance the door in accordance with the manufacturers specifications.

CURTAIN: 65mm x 1.6mm Aluminium extrusion. Alternative aluminium sections are fitted with nylon end clips to reduce friction. Running in 50mm x 30mm extruded guides.

SPRING ASSISTED DRUM ASSEMBLY: The spring assisted counterbalanced roller drum is fabricated from high quality steel spiral ducted tube or spiral welded tube. The central shaft carries helical springs to ensure smooth and effortless operation.

OPERATION: Either manually operated or motorised depending upon size requirements. There are a range of electric motors available depending on application and usage.

VERSATILE TRACKING SYSTEM: The 50mm x 30mm aluminium door tracks can be mounted between wall fix or behind wall fix. The guides can also accommodate a rubber twin fin extrusion or mohair felt buffer to ensure a quieter operation. Manual doors only are fitted with door stops.

See overleaf for continuation of Specifications...
Series 65
industrial type aluminium shutter

LOCKING: may be fitted with a centrally mounted locking mechanism within the mid rail at approximately 900mm above floor level or alternately within the bottom rail. The locking mechanisms are generally concealed behind extruded polycarbonate covers for aesthetics and tamper proofing. Locking is not recommended for motorised doors.

SLOTTING: Provide 95mm x 25mm vent slots at 70mm spacing as required in the roller shutter. Slotting may include polycarbonate backing panel to reduce foreign particle entrance.

WARRANTY: A 12 month limited material, labour and workmanship warranty applies.

colours/finishes
• Supplied in a vast range of colour finishes.

dimensions

<table>
<thead>
<tr>
<th>Door Height</th>
<th>Roll Diameter</th>
<th>Centre of Axle from Wall</th>
<th>Roll Diameter</th>
<th>Centre of Axle from Wall</th>
</tr>
</thead>
<tbody>
<tr>
<td>900</td>
<td>260</td>
<td>140</td>
<td>305</td>
<td>162</td>
</tr>
<tr>
<td>1200</td>
<td>260</td>
<td>140</td>
<td>305</td>
<td>162</td>
</tr>
<tr>
<td>1500</td>
<td>260</td>
<td>140</td>
<td>320</td>
<td>170</td>
</tr>
<tr>
<td>1800</td>
<td>270</td>
<td>145</td>
<td>330</td>
<td>175</td>
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<tr>
<td>2100</td>
<td>270</td>
<td>145</td>
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<td>185</td>
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<td>2400</td>
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<td>2700</td>
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<td>3300</td>
<td>340</td>
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<td>380</td>
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</tr>
<tr>
<td>4000</td>
<td>360</td>
<td>190</td>
<td>395</td>
<td>207</td>
</tr>
</tbody>
</table>

All measurements are in millimeters.

NOTES / INFORMATION
A) For areas within one kilometre of a corrosive environment eg. salt air or industrial fallout, special care and maintenance are generally required for metal products. Consult B&D Doors or your B&D accredited dealer for advice.
B) Roll-A-Shutter doors, in normal use, are covered by a 1 year warranty for complete door and parts, conditional on proper care, as recommended in the door’s handbook. Full details of the warranty are available, on request, from your nearest B&D office.
C) The company reserves the right to make changes or improvements to the products or accessories without notice and without incurring any obligation to make similar changes or improvements to goods previously ordered.
D) Prefixed Trademarks are trademarks of B&D Australia Pty Ltd. Abuse of these trademarks may result in legal action.
E) B&D products have many patents and registered designs applicable.
F) Details correct at date of publication. Specifications subject to change without notice.
Series 90
industrial type aluminium shutter

features

- Ideal for shopping centre shopfronts, secure parking structures, arcades, sporting complexes, clubs and bars.
- High level of security.
- Supplied in a vast range of sizes and colour finishes.
- Clear polycarbonate backing available for the slotted curtain option.

specifications

BOTTOM RAILS: Sturdy T-Rail aluminium bottom rail which provides additional strength to the door. This bottom rail may be supplied with an optional weather seal to prevent the unwanted entry of foreign particles.

ROLLER DRUM: 165mm or 229mm spiral drum rotating on a 34mm heavy duty shaft fitted with high speed industrial bearing & helical springs to counterbalance the door in accordance with the manufacturers specifications.

CURTAIN: 90mm x 1.4mm Aluminium extrusion. Alternative aluminium sections are fitted with nylon end clips to reduce friction. Running in 100mm x 38mm extruded guides.

PERFORATIONS: Provide 6.5mm diameter perforation holes at 9mm centres.

SPRING ASSISTED DRUM ASSEMBLY: The spring assisted counterbalanced roller drum is fabricated from high quality steel spiral ducted tube or spiral welded tube. The central shaft carries helical springs to ensure smooth and effortless operation.

OPERATION: Either manually operated or motorised depending upon size requirements. There are a range of electric motors available depending on application and usage.

VERSATILE TRACKING SYSTEM: The 100mm x 38mm aluminium door tracks can be mounted between wall fix or behind wall fix. The guides can also accommodate a rubber twin fin extrusion or mohair felt buffer to ensure a quieter operation. Manual doors only are fitted with door stops.

LOCKING: May be fitted with a centrally mounted locking mechanism within the bottom rail. The locking mechanisms are generally concealed behind extruded poly carbonate covers for aesthetics and tamper proofing. Locking is not recommended for motorised doors.

WARRANTY: A 12 month limited material, labour and workmanship warranty applies.

description

The B&D Roll-A-Shutter® Series 90 Industrial Type Aluminium Shutter consists of a heavy duty aluminium extrusion curtain, specifically designed to ensure maximum security when fitted to retail spaces, secure parking structures, arcades, sporting complexes, clubs and bars.

Contemporary in appearance, the B&D Roll-A-Shutter® Series 90 is built using solid aluminium interlocking sections however can be slotted or perforated to suit individual design preferences.

profile

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Roll-A-Shutter® Series 90</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX DOOR HEIGHT</td>
<td>4500mm</td>
</tr>
<tr>
<td>MAX DOOR WIDTH</td>
<td>8000mm</td>
</tr>
<tr>
<td>LOCKING</td>
<td>Two way mortice key or sliding shoot bolt locking</td>
</tr>
<tr>
<td>DRUM TYPE</td>
<td>165mm or 229mm spiral ducted tube</td>
</tr>
<tr>
<td>TAPER OPTION</td>
<td>No</td>
</tr>
<tr>
<td>HIGH WIND OPTION</td>
<td>No</td>
</tr>
</tbody>
</table>

size range

Suitable for openings ranging from 1000mm to 4500mm (h) and up to 8000mm (w).
Series 90
industrial type aluminium shutter

colours/finishes
- Supplied in a vast range of colour finishes.

dimensions

<table>
<thead>
<tr>
<th>Door Height</th>
<th>DRUM 165mm</th>
<th>DRUM 229mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Roll Diameter</td>
<td>Centre of Axle from Wall</td>
</tr>
<tr>
<td>1000</td>
<td>260</td>
<td>140</td>
</tr>
<tr>
<td>1500</td>
<td>275</td>
<td>148</td>
</tr>
<tr>
<td>2000</td>
<td>325</td>
<td>173</td>
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<tr>
<td>2500</td>
<td>360</td>
<td>190</td>
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<td>3000</td>
<td>360</td>
<td>190</td>
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<td>3500</td>
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<td>205</td>
</tr>
<tr>
<td>4000</td>
<td>410</td>
<td>215</td>
</tr>
<tr>
<td>4500</td>
<td>420</td>
<td>220</td>
</tr>
</tbody>
</table>

All measurements are in millimeters.

NOTES / INFORMATION
A) For areas within one kilometre of a corrosive environment e.g. salt air or industrial fallout, special care and maintenance are generally required for metal products. Consult B&D Doors or your B&D accredited dealer for advice.
B) Roll-A-Shutter doors, in normal use, are covered by a 1 year warranty for complete door and parts, conditional on proper care, as recommended in the door’s handbook. Full details of the warranty are available, on request, from your nearest B&D office.
C) The company reserves the right to make changes or improvements to the products or accessories without notice and without incurring any obligation to make similar changes or improvements to goods previously ordered.
D) Prefixed Trademarks are trademarks of B&D Australia Pty Ltd. Abuse of these trademarks may result in legal action.
E) B&D products have many patents and registered designs applicable.
F) Details correct at date of publication. Specifications subject to change without notice.
Roll-A-Shutter

Clear-A-View™

poly carbonate shutter

features

• Ideal for shopping centre shopfronts, arcades, sporting complexes, clubs and bars.
• High level of security.
• Supplied in a vast range of sizes and colour finishes.

specifications

BOTTOM RAILS: Sturdy T-Rail aluminium bottom rail which provides additional strength to the door. This bottom rail may be supplied with an optional weather seal to prevent the unwanted entry of foreign particles.

ROLLER DRUM: 229mm spiral drum rotating on a 34mm heavy duty shaft fitted with high speed industrial bearing & helical springs to counterbalance the door in accordance with manufacturers specifications.

CURTAIN: 100mm poly carbonate interlocking with 30mm rigid aluminium sections. Each aluminium section is fitted with moulded end caps to reduce friction.

PERFORATIONS: Provide 6.5mm diameter perforation holes at 9mm centres.

SPRING ASSISTED DRUM ASSEMBLY: The spring assisted counterbalanced roller drum is fabricated from high quality steel spiral ducted tube or spiral welded tube. The central shaft carries helical springs to ensure smooth and effortless operation.

OPERATION: Either manually operated or motorised depending upon size requirements. There are a range of electric motors available depending on application and usage.

VERSATILE TRACKING SYSTEM: The 50mm x 30mm aluminium door tracks can be mounted between wall fix or wall behind fix. The guides can also accommodate a rubber twin fin extrusion or mohair felt buffer to ensure a quieter operation. Manual doors are fitted with door stops.

LOCKING: May be fitted with a centrally mounted locking mechanism within the mid rail at approximately 900mm above floor level or alternately within the bottom rail. The locking mechanisms are generally concealed behind extruded covers for aesthetics and tamper proofing. Locking is not recommended for motorised doors.

SLOTTING: Provide 95mm x 25mm vent slots at 70mm spacing where required in the roller shutter.

WARRANTY: A 12 month limited material, labour and workmanship warranty applies.

description

The B&D Roll-A-Shutter® Clear-A-View™ Industrial Type Poly Carbonate Shutters are specifically designed with retailers in mind, allowing for continual showcasing and product advertisement when the door is closed.

The B&D Roll-A-Shutter® Clear-A-View™, provides a high level of security whilst maintaining the feel of openness between internal and external spaces, making it ideal for shopfronts, arcades, sporting complexes, clubs, bars and counter tops.

profile

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Roll-A-Shutter® Clear-A-View™</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX DOOR HEIGHT</td>
<td>4000mm</td>
</tr>
<tr>
<td>MAX DOOR WIDTH</td>
<td>6400mm</td>
</tr>
<tr>
<td>LOCKING</td>
<td>Two way mortice key or sliding shoot bolt locking</td>
</tr>
<tr>
<td>DRUM TYPE</td>
<td>229mm diameter spiral ducted tube</td>
</tr>
<tr>
<td>TAPER OPTION</td>
<td>No</td>
</tr>
<tr>
<td>HIGH WIND OPTION</td>
<td>No</td>
</tr>
</tbody>
</table>

size range

Suitable for openings ranging from 1000mm to 4000mm (h) and up to 6400mm (w).
**Clear-A-View™ poly carbonate shutter**

### colours/finishes
- Supplied in a vast range of colour finishes.

### dimensions

<table>
<thead>
<tr>
<th>Door Height</th>
<th>Roll Diameter</th>
<th>Centre of Axle from Wall</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>290</td>
<td>155</td>
</tr>
<tr>
<td>1200</td>
<td>290</td>
<td>155</td>
</tr>
<tr>
<td>1500</td>
<td>290</td>
<td>155</td>
</tr>
<tr>
<td>1800</td>
<td>300</td>
<td>160</td>
</tr>
<tr>
<td>2100</td>
<td>300</td>
<td>160</td>
</tr>
<tr>
<td>2400</td>
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<tr>
<td>2700</td>
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<td>3000</td>
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<td>3300</td>
<td>320</td>
<td>170</td>
</tr>
<tr>
<td>3600</td>
<td>340</td>
<td>180</td>
</tr>
<tr>
<td>4000</td>
<td>340</td>
<td>180</td>
</tr>
</tbody>
</table>

All measurements are in millimeters.

---

### NOTES / INFORMATION

A) For areas within one kilometre of a corrosive environment e.g. salt air or industrial fallout, special care and maintenance are generally required for metal products. Consult B&D Doors or your B&D accredited dealer for advice.

B) Roll-A-Shutter doors, in normal use, are covered by a 1 year warranty for complete door and parts, conditional on proper care, as recommended in the door’s handbook. Full details of the warranty are available, on request, from your nearest B&D office.

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

D) Prefixed Trademarks are trademarks of B&D Australia Pty Ltd. Abuse of these trademarks may result in legal action.

E) B&D products have many patents and registered designs applicable.

F) Details correct at date of publication. Specifications subject to change without notice.
description

The B&D Roll-A-Shutter® Crystal-View Industrial Type Poly Carbonate Shutter is a contemporary roller shutter, unique in appearance and designed to provide retailers with a door that replicates glass in the shopfront.

The B&D Roll-A-Shutter® Crystal-View is manufactured to provide a secure and aesthetically pleasing addition to high-end store fronts or shopping centre retail spaces allowing the continual showcasing of merchandise, even when the shop is closed.

profile

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Roll-A-Shutter® Crystal-View</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX DOOR HEIGHT</td>
<td>3500mm</td>
</tr>
<tr>
<td>MAX DOOR WIDTH</td>
<td>3000mm</td>
</tr>
<tr>
<td>LOCKING</td>
<td>Two way mortice key or sliding shoot bolt locking</td>
</tr>
<tr>
<td>DRUM TYPE</td>
<td>229mm diameter spiral ducted tube</td>
</tr>
<tr>
<td>TAPER OPTION</td>
<td>No</td>
</tr>
<tr>
<td>HIGH WIND OPTION</td>
<td>No</td>
</tr>
</tbody>
</table>

features

- Ideal for shopping centre retail spaces, street-facing shop fronts, arcades, sporting complexes, clubs and bars.
- High level of security.
- Supplied with slotted curtain slats where ventilation is required.

specifications

BOTTOM RAILS: Aluminium bottom rail. An optional weather seal can be provided upon request, to prevent the entry of foreign particles.

ROLLER DRUM: 229mm spiral drum rotating on a 34mm heavy duty shaft fitted with high speed industrial bearing & helical springs to counterbalance the door in accordance with manufacturers specifications.

CURTAIN: Poly carbonate door curtain with poly carbonate extrusion.

PERFORATIONS: Provide 95mm x 25mm vent slots at 70mm spacing where required in the roller shutter.

OPERATION: Either manually operated or motorised depending upon size requirements. There are a range of electric motors available depending on application and usage.

VERSATILE TRACKING SYSTEM: 50mm x 30mm aluminium door tracks which can be mounted between wall fix or behind wall fix. The guides can also accommodate a rubber twin fin extrusion or mohair felt buffer to ensure a quieter operation. Manual doors only are fitted with door stops.

LOCKING: May be fitted with a centrally mounted locking mechanism within the bottom rail. Manual door locking mechanisms are not recommended for automatically operated doors.

WARRANTY: A 12 month limited material, labour and workmanship warranty applies.
Crystal-View
poly carbonate shutter

dimensions

<table>
<thead>
<tr>
<th>Door Height</th>
<th>Roll Diameter</th>
<th>Centre of Axle from Wall</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>290</td>
<td>155</td>
</tr>
<tr>
<td>1200</td>
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</tbody>
</table>

All measurements are in millimeters.

CLEARANCES

结构的支撑与支持

中心线

中心线

500 Recommendations

中央位置

30MM

ROLL DIAMETER

MINIMUM SLOT 42MM

OVER ROLL 30MM

NOTES / INFORMATION

A) For areas within one kilometre of a corrosive environment eg. salt air or industrial fallout, special care and maintenance are generally required for metal products. Consult B&D Doors or your B&D accredited dealer for advice.

B) Roll-A-Shutter doors, in normal use, are covered by a 1 year warranty for complete door and parts, conditional on proper care, as recommended in the door’s handbook. Full details of the warranty are available, on request, from your nearest B&D office.

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

D) Prefixed Trademarks are trademarks of B&D Australia Pty Ltd. Abuse of these trademarks may result in legal action.

E) B&D products have many patents and registered designs applicable.

F) Details correct at date of publication. Specifications subject to change without notice.

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SECTION 10/33

RETURN TO INDEX
roll-a-grille

12mm
aluminium rolling grille

features

• Ideal for retail shopfronts, secure parking structures, arcades, sporting complexes, clubs, bars and counter tops.
• High level of security.
• Supplied standard as in a clear anodised finish (matt natural) however may be powder coated as an optional extra.
• Easy to operate.

specifications

BOTTOM RAILS: Sturdy T-Rail aluminium bottom rail which provides additional strength to the door. This bottom rail may be supplied with an optional weather seal.
ROLLER DRUM: 148mm or 229mm spiral drum rotating on a 34mm heavy duty shaft fitted with high speed industrial bearing & helical springs to counterbalance the door in accordance with manufacturers specifications.
CURTAIN: 12mm aluminium extrusion tubing at 47mm centres interconnected with 100mm x 10mm links spaced at 440mm centres. Each aluminium section is fitted with double links to reduce friction.
GUIDES: 50mm x 30mm extruded guides.

SPRING ASSISTED DRUM ASSEMBLY: The spring assisted counterbalanced roller drum is fabricated from high quality steel spiral ducted tube or spiral welded tube. The central shaft carries helical springs to ensure smooth and effortless operation.
VERSATILE TRACKING SYSTEM: The 50mm x 30mm aluminium door tracks can be mounted between wall fix or behind wall fix. The guides can also accommodate a rubber twin fin extrusion or mohair felt buffer to ensure a quieter operation. Manual doors only are fitted with door stops.
SECURITY: Constructed from 12mm aluminium extrusion tubing connected with 100mm links creating a symmetrical, brick-like pattern. The grille allows retailers to retain visual product branding while their products are secure. The aluminium extrusion is fitted with double links at each end to reduce friction and lateral movement.

description

The B&D Roll-A-Grille® 12mm Industrial Grille Type Aluminium Shutter has a sleek, easy to operate aluminium curtain, specifically designed from aluminium extrusion to provide a high level of security.

The B&D Roll-A-Grille® 12mm is a cost effective product where continual visual product branding or ventilation is desirable.

profile

<table>
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<tr>
<th>MODEL</th>
<th>Roll-A-Grille® 12mm</th>
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<tbody>
<tr>
<td>MAX DOOR HEIGHT</td>
<td>4000mm</td>
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<tr>
<td>MAX DOOR WIDTH</td>
<td>5000mm</td>
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<td>LOCKING</td>
<td>Two way mortice key or sliding shoot bolt locking</td>
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<tr>
<td>DRUM TYPE</td>
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<tr>
<td>TAPER OPTION</td>
<td>No</td>
</tr>
<tr>
<td>HIGH WIND OPTION</td>
<td>No</td>
</tr>
</tbody>
</table>

size range

Suitable for openings up to 4000mm (h) x up to 5000mm (w).
12mm aluminium rolling grille

LOCKING: May be fitted with a centrally mounted locking mechanism within the bottom rail. The locking mechanisms are generally concealed behind extruded polycarbonate covers for aesthetics and tamper proofing. Locking is not recommended for motorised doors.

WARRANTY: A 12 month limited material, labour and workmanship warranty applies.

finishes
- Clear anodised or optional powdercoat finishes available.

dimensions

<table>
<thead>
<tr>
<th>Door Height</th>
<th>Roll Diameter</th>
<th>Centre of Axle from Wall</th>
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</thead>
<tbody>
<tr>
<td>900</td>
<td>310</td>
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<tr>
<td>4000</td>
<td>440</td>
<td>230</td>
</tr>
</tbody>
</table>

All measurements are in millimeters.

NOTES / INFORMATION
A) For areas within one kilometre of a corrosive environment eg. salt air or industrial fallout, special care and maintenance are generally required for metal products. Consult B&D Doors or your B&D accredited dealer for advice.
B) Roll-A-Grille doors, in normal use, are covered by a 1 year warranty for complete door and parts, conditional on proper care, as recommended in the door’s handbook. Full details of the warranty are available, on request, from your nearest B&D office.
C) The company reserves the right to make changes or improvements to the products or accessories without notice and without incurring any obligation to make similar changes or improvements to goods previously ordered.
D) Prefixed Trademarks are trademarks of B&D Australia Pty Ltd. Abuse of these trademarks may result in legal action.
E) B&D products have many patents and registered designs applicable.
F) Details correct at date of publication. Specifications subject to change without notice.
19mm aluminium rolling grille

features

• Ideal for retail shopfronts, secure parking structures, arcades, sporting complexes, clubs, bars and counter tops.
• High level of security.
• Supplied in a vast range of sizes and colour finishes.

specifications

BOTTOM RAILS: Sturdy T-Rail aluminium bottom rail which provides additional strength to the door. This bottom rail may be supplied with an optional weather seal.

ROLLER DRUM: 165mm or 229mm spiral drum rotating on a 34mm heavy duty shaft fitted with high speed industrial bearing & helical springs to counterbalance the door in accordance with the manufacturers specifications.

CURTAIN: 19mm aluminium extrusion tubing at 75mm centres interconnected with 35mm x 3mm links spaced at 500mm centres. Each aluminium section is fitted with nylon plugs to reduce friction.

SPRING ASSISTED DRUM ASSEMBLY: The spring assisted counterbalanced roller drum is fabricated from high quality steel spiral ducted tube or spiral welded tube. The central shaft carries helical springs to ensure smooth and effortless operation.

OPERATION: Either manually operated or motorised depending upon size requirements. There are a range of electric motors available depending on application and usage.

VERSATILE TRACKING SYSTEM: The 100mm x 38mm aluminium door tracks can be mounted between wall fix or behind wall fix. The guides can also accommodate a rubber twin fin extrusion or mohair felt buffer to ensure a quieter operation. Manual doors only are fitted with door stops.

SECURITY: Constructed from 19mm aluminium extrusion tubing connected with 35mm links creating a symmetrical brick-like pattern. This grille allows retailers to retain visual product branding while their products remain secure.

LOCKING: May be fitted with a centrally mounted locking mechanism within the bottom rail. The locking mechanisms are generally concealed behind extruded polycarbonate covers for aesthetics and tamper proofing. Locking is not recommended for motorised doors.

WARRANTY: A 12 month limited material, labour and workmanship warranty applies.

description

The B&D Roll-A-Grille® 19mm Industrial Grille Type Aluminium Shutter is specifically designed from aluminium extrusion to provide a high level of security while maintaining the feel of openness between the internal and external spaces.

The B&D Roll-A-Grille® 19mm is a cost efficient product for spaces where ventilation is required or continual visual product branding is desirable.

profile

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<thead>
<tr>
<th>MODEL</th>
<th>Roll-A-Grille® 19mm</th>
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<td>MAX DOOR HEIGHT</td>
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<td>LOCKING</td>
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<td>DRUM TYPE</td>
<td>165mm or 229mm diameter spiral ducted tube</td>
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<td>TAPER OPTION</td>
<td>No</td>
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<td>HIGH WIND OPTION</td>
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size range

Suitable for openings ranging from 1000mm to 4500mm (h) and up to 8000mm (w).

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19mm aluminium rolling grille

colours/finishes
- Supplied in a vast range of colour finishes.

dimensions

<table>
<thead>
<tr>
<th>Door Height</th>
<th>Roll Diameter</th>
<th>Centre of Axle from Wall</th>
<th>Roll Diameter</th>
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</table>

All measurements are in millimeters.

NOTES / INFORMATION
A) For areas within one kilometre of a corrosive environment e.g. salt air or industrial fallout, special care and maintenance are generally required for metal products. Consult B&D Doors or your B&D accredited dealer for advice.
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