

Commercial Doors Compared: P7 Industrial vs Series 2 vs Series 3 vs Roll-A-Shutter

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Description:

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Details:

AI Summary

Choosing the right commercial door depends entirely on the application. B&D's commercial range covers four distinct product families, each engineered for different operational demands. The **P7 Industrial™** sectional door** suits retail showrooms, food service, and commercial premises needing wide openings up to 7,620mm with customisable panel inserts. The **Series 2** and **Series 3 Roll-A-Door®**** range handles warehouse and industrial environments where cyclonic wind ratings and roller-door simplicity matter most, covering openings up to 5,500mm wide and 5,100mm tall. The **Roll-A-Shutter®**** dominates security-focused applications — shopfronts, kiosks, and large industrial openings up to 12,000mm wide — with steel slat construction tested to over 11 kPa wind pressure. For self-storage operators, the **Mini Warehouse®**** configuration pairs these roller and shutter systems with commercial-grade openers for high-cycle, multi-unit facilities.

This guide breaks down every specification, compares the ranges head-to-head, and matches each door to the industries and applications where it performs best.

B&D's Commercial Range Overview

B&D manufactures four commercial door families in Australia, each built from COLORBOND® steel and engineered to meet AS/NZS standards for wind load, structural performance, and operational durability.

The range spans from compact sectional doors for retail and food service through to massive industrial shutters rated for cyclonic conditions. Unlike residential products, every commercial door is designed for higher cycle counts, heavier-duty hardware, and compatibility with B&D's commercial opener ecosystem — the Hiro™ GDO-12, Toro® GDO-10, and Axxess Pro series.

Understanding which product family fits which application is the single most important decision in a commercial door project. Get it right, and the door will perform reliably for years with minimal maintenance. Get it wrong, and you face premature wear, warranty issues, and potential safety problems.

P7 Industrial™ — Commercial Sectional Door

The P7 Industrial™ is B&D's flagship commercial sectional door, designed for openings where aesthetics, customisation, and panel variety matter as much as structural performance.

Specifications

- **Maximum width:** 7,620mm (standard profile); 5,900mm (slat profile) - **Maximum height:** 4,500mm - **Minimum height:** 1,370mm - **Minimum width:** 1,800mm - **Frame construction:** 1.5mm box-shaped extrusion with tongue and groove edges - **Panel reinforcement:** All panels reinforced on doors 3,800mm wide and over - **Material:** COLORBOND® steel with multiple insert options

Panel Insert Options

The P7 Industrial's defining feature is its **Omnipanel™ system**, which allows different insert types to be combined within a single door. Available inserts include:

- **Aluminium plate inserts** — checker plate pattern for industrial aesthetics - **Acrylic panel inserts** — 4.5mm acrylic in clear, smoke, or opaque finishes for natural light - **Mini corrugated steel inserts** — powder-coated for traditional industrial appearance - **Vertipanel™ inserts** — aluminium or powder-coated vertical panel design - **Airpanel™ inserts** — Amplimesh grill design providing approximately 80% airflow - **Aluminium slatted inserts** — up to approximately 40% airflow capability - **Flat and ribbed steel inserts** — smooth or wood-look embossed finishes - **Omnipanel™ inserts** — combining multiple insert types in a single door

Insert Dimensions

- **Insert height:** Up to 575mm - **Insert width:** Up to 1,428mm (limited to 1,200mm with certain insert types) - **Note:** Insert sizes are fixed at manufacture — the door is tailor-made with equal-sized panels and evenly spaced inserts to suit your specific opening

Best Applications

The P7 Industrial excels in environments where the door is part of the building's presentation:

- **Retail showrooms** — acrylic inserts provide natural light while maintaining security - **Food service and commercial kitchens** — Airpanel inserts deliver ventilation without compromising pest control - **Automotive workshops** — wide openings accommodate vehicle access with panel reinforcement for structural integrity - **Fire stations** — fast-opening sectional design with clear acrylic panels for visibility - **Commercial premises** — Omnipanel system lets architects match the door to the building facade

Series 2 & Series 3 Squareline — Commercial Roller Doors

The Series 2 and Series 3 Roll-A-Door® ranges are B&D's workhorse commercial roller doors, engineered for all wind regions across Australia and tested to AS/NZS 4505 standards.

Series 2 Models

Model	Category	Steel Thickness	Max Width						
				-----	-----	-----	-----		R2L
	Traditional Low Profile	0.4mm	5,500mm						R2W
	Traditional Wide Line	0.5mm	5,500mm						R2I
	Traditional Industrial	0.5mm	5,500mm						R2F
	Firm Door Light Industrial	0.4mm	5,100mm						

Series 3 Models

Model	Category	Steel Thickness	Max Width						
				-----	-----	-----	-----		R3F
	Maxi	0.4mm	5,100mm						R3I
	Squareline Wide Line	0.5mm	5,500mm						
	Squareline Industrial								

0.5mm | 5,500mm |

Profile Differences

- **Series 2 (S2 profile):** Curved rib/pan profile with nominally 8mm wide ribs, 20mm high, spaced at 77mm centres - **Series 3 (S3 profile):** Curved rib/pan profile with nominally 28mm wide ribs, 15mm high, spaced at 84mm centres

The Series 3 Squareline profile offers a more contemporary, flat-panel appearance compared to the traditional ribbed look of Series 2. Both use COLORBOND® ZALG300S2 steel.

Available Heights

Both series are available in standard heights: 2,100mm, 2,400mm, 2,700mm (Series 3 only), 3,000mm, 3,300mm, 3,600mm, 4,200mm, and 5,100mm.

Cyclonic Wind Performance

Both series have been tested for cyclonic wind load strength performance with 0.5mm curtain thickness:

Series 2 (77mm locking plate spacing, outward loading): - 5,500mm width: 3.04 kPa - 4,000mm width: 3.97 kPa - 3,000mm width: 4.89 kPa

Series 3 (84mm locking plate spacing, outward loading): - 5,500mm width: 2.89 kPa - 5,000mm width: 3.12 kPa - 3,000mm width: 4.18 kPa

Wind Lock System

Both series feature **Windlock clips** — steel flats nominally 38mm wide and 1.8mm thick with nominally 20mm long hooks folded at approximately 55°. These clips secure the curtain in high-wind conditions using steel-to-steel rivets at regular intervals.

Guide specifications: 4mm thick aluminium extrusion, nominally 122mm wide and 52mm high, fixed to supports with M10 bolts at 150mm centres.

Wind-locked doors require between 55mm and 68mm curtain overlap on both sides, depending on whether the substrate is steel or masonry.

Best Applications

- **Warehousing and distribution centres** — standard roller door operation, proven reliability - **Industrial workshops** — the R2I and R3I models with 0.5mm steel handle heavy daily use - **Commercial garages** — available in a wide range of standard heights - **Cyclone-rated buildings** — tested wind performance for all Australian wind regions - **Multi-door facilities** — cost-effective solution for buildings requiring multiple openings

Roll-A-Shutter — Industrial Steel Slat Shutters

The Roll-A-Shutter range represents B&D's heaviest-duty commercial offering, built from industrial steel slats and engineered for maximum security and large-span openings.

Series Overview

Series	Slat Thickness	Max Height	Max Width	Weight
6/100	0.6mm	6,000mm 7,000mm	8/100	0.8mm
10/100	1.0mm	10,000mm 12,000mm	12/100	1.0mm

All series share a minimum door size of 900mm × 900mm.

Construction Details

- **Curtain:** Industrial steel slats with interlocking profiles - **Guides:** Galvanised steel channel guides, 2.0mm steel with 77mm depth - **Bottom rail:** Aluminium T-section extruded bottom rail with integrated weather seal; box section standard for widths under 7,000mm - **Drum:** 168mm diameter, available with chain drive or motorised opener - **Minimum shutter overlap:** 70mm each side - **Axle overlap:** 350mm each side

Security Features

- **Shoot bolt lock** as standard on external bottom rail - **Internal and external slide bolts** available as an option with manual pull-cord engage/disengage - **Steel wind locks** fitted to every second slat at both ends — 70mm × 15mm steel plate with 22mm upturned lip (10mm thick at top, reducing to approximately 6mm at base) - **Wind lock spacing:** 200mm intervals

Wind Performance (10/100 Series)

Tested to AS/NZS 4505:2012:

- **Static pressure (inward):** 11.69 kPa held for 1 minute (5,000mm nominal opening, 1.0mm BMT steel) - **Static pressure (outward):** 8.25 kPa - **Cyclic target test load:** 10.00 kPa (inward)

These wind ratings significantly exceed those of the Series 2 and Series 3 roller doors, making the Roll-A-Shutter the clear choice for cyclone-prone regions and high-exposure sites.

Operation Options

- **Chain geared operation** for areas below 25 square metres - **Motorised operation** available for all series - **Direct drive and direct lift** mechanisms available - **Warranty requirement:** All shutters must be well balanced and operable by hand per AS/NZS 4505:2012

Best Applications

- **Shopfronts and retail security** — steel slat construction provides physical deterrent - **Kiosks and counters** — minimum 900mm size suits small service openings - **Large industrial openings** — the 10/100 and 12/100 series handle openings up to 12m wide and 10m tall - **High-security premises** — shoot bolt locks and slide bolt options as standard - **Cyclone-rated buildings** — 11.69 kPa inward pressure rating exceeds most commercial requirements

Mini Warehouse Configuration

For self-storage and mini warehouse facilities, B&D pairs its commercial roller doors and shutters with the **GDO-10 Toro®** opener, purpose-built for multi-unit commercial environments.

The Mini Warehouse setup is not a standalone door product — it is a configuration combining Series 2/3 roller doors or Roll-A-Shutter systems with commercial-grade openers and access control.

Key Features

- **GDO-10 Toro® opener** with 1,000N short-term peak force - **Doors up to 28m²** in standard conditions; wind-locked doors up to 22m² - **Commercial Logic Console** with LCD screen managing up to 511 Tri-Tran+ (TrioCode™128) remotes - **Integrated battery back-up** for continuous operation during power outages - **Time clock controlled access programs** for security scheduling - **Adjustable speed control** for smoother door operation - **Up to 3 sets of optional safety beams** - **Wall-mounted control panel** for convenient programming

Best Applications

- ****Self-storage facilities**** — centralised access control with time-clock programs - ****Mini warehouses**** — individual unit operation with shared remote management - ****Commercial storage complexes**** — battery back-up ensures 24/7 access reliability

Comparison Table

Feature	P7 Industrial™	Series 2 Roll-A-Door®	Series 3 Roll-A-Door®	Roll-A-Shutter
-----	-----	-----	-----	-----
	Door Type	Sectional	Roller	Roller
	Max Width	7,620mm	5,500mm	5,500mm
	Max Height	12,000mm	4,500mm	5,100mm
	Material	COLORBOND® steel	COLORBOND® ZALG300S2	COLORBOND® ZALG300S2
	Steel Thickness	1.5mm (frame)	0.4–0.5mm	0.4–0.5mm
	Wind Rating	Panel-reinforced over 3,800mm	Up to 4.89 kPa	Up to 4.18 kPa
	Insulation	Multiple panel insert options	None	None
	Natural Light	Yes (acrylic inserts)	No	No
	Ventilation	Yes (Airpanel 80%)	No	No
	Security Locking	Standard sectional locks	Locking bars and faceplates	Locking bars and faceplates
	Min Door Size	1,800mm × 1,370mm	Varies by model	Varies by model
	Customisation	High (Omnipanel system)	Low (colour only)	Low (colour only)
	Price Tier	Premium	Mid-range	Mid-range
	Warranty	1 year (all components + labour)	1 year (all components + labour)	1 year (all components + labour)

Industry Application Guide

Warehousing and Distribution

****Recommended:**** Series 2 Industrial (R2I) or Series 3 Industrial (R3I)

Warehouses typically need multiple door openings operating daily with forklift traffic. The 0.5mm steel Industrial models handle the higher cycle demands, and the 5,500mm maximum width accommodates standard truck bays. For larger openings or cyclone zones, step up to the Roll-A-Shutter 10/100 or 12/100 series.

Retail and Showrooms

****Recommended:**** P7 Industrial™ with acrylic or Vertipanel™ inserts

Retail environments need a door that looks good. The P7 Industrial's Omnipanel system lets you combine clear acrylic for natural light with flat steel inserts for branding areas, creating a door that doubles as a shopfront feature. Maximum width of 7,620mm suits most retail frontages.

Automotive Workshops

****Recommended:**** P7 Industrial™ or Series 3 Squareline Industrial (R3I)

Automotive workshops need width for vehicle access and durability for daily operations. The P7 Industrial's 7,620mm maximum width handles large vehicles, while the Airpanel insert option provides essential ventilation for exhaust and fume management. For simpler workshops, the R3I offers a cost-effective roller alternative.

Food Service and Commercial Kitchens

****Recommended:**** P7 Industrial™ with Airpanel™ inserts

The Airpanel insert delivers approximately 80% airflow while maintaining a physical barrier — critical for food service environments that need ventilation without compromising pest control or food safety

compliance. The aluminium slatted option provides approximately 40% airflow for less demanding ventilation requirements.

Fire Stations

****Recommended:**** P7 Industrial™ with clear acrylic inserts

Fire stations require fast-response door opening, wide bays for appliance access, and visibility through the door for situational awareness. The P7 Industrial's clear acrylic inserts provide sightlines, while the sectional door mechanism delivers reliable, rapid operation.

Self-Storage Facilities

****Recommended:**** Series 2 or Series 3 Roll-A-Door® with GDO-10 Toro® opener

Self-storage facilities need cost-effective, reliable doors across dozens or hundreds of units. The Series 2 and Series 3 Roll-A-Door ranges offer the best value per opening, and the GDO-10 Toro's commercial logic console can manage up to 511 remotes from a single system — ideal for multi-tenant facilities with time-clock access control.

Shopfront Security

****Recommended:**** Roll-A-Shutter 6/100 or 8/100 series

Shopfronts need maximum security when closed. The Roll-A-Shutter's steel slat construction with shoot bolt locks and optional slide bolts provides the physical deterrent that roller doors cannot match. The 6/100 and 8/100 series suit standard shopfront widths up to 7,000mm.

Large Industrial Openings

****Recommended:**** Roll-A-Shutter 10/100 or 12/100 series

For openings exceeding 5,500mm wide — aircraft hangars, large workshops, agricultural buildings — the Roll-A-Shutter 10/100 and 12/100 series handle spans up to 12,000mm wide and 10,000mm tall. With 1.0mm steel slats and wind ratings exceeding 11 kPa, these are engineered for the most demanding industrial environments.

Commercial Opener Pairing Guide

Selecting the right opener is as critical as choosing the right door. B&D's commercial opener range includes four models, each designed for different door types and operational demands.

Hiro™ GDO-12v2

- ****Peak force:**** 1,400N (140kg) - ****Rated load:**** 450N - ****Maximum lifting under spring tension:**** 200N (20kg) - ****Door capacity:**** Up to 28m² standard; 22m² wind-locked - ****Best paired with:**** Series 2 and Series 3 Roll-A-Door (light commercial), large residential roller doors in high-wind areas - ****Key feature:**** The slimmest and most powerful opener in the range — ideal where mounting space is limited but pulling power is essential

Toro® GDO-10v3

- ****Peak force:**** 1,400N - ****Rated load:**** 450N - ****Maximum lifting under spring tension:**** 200N (20kg) - ****Door capacity:**** Up to 28m² standard; 22m² wind-locked - ****Remote capacity:**** Up to 511 Tri-Tran+ remotes - ****Best paired with:**** Mini warehouse configurations, commercial roller doors requiring multi-user access control - ****Key features:**** Commercial Logic Console with LCD screen, integrated battery back-up, time clock controlled access, adjustable speed, up to 3 sets of safety beams

Axxess Pro 1505

- **Application:** Commercial and industrial roller doors and shutters - **Best paired with:** Roll-A-Shutter installations, medium-duty commercial roller doors - **Key feature:** Purpose-built for commercial shutter and roller door applications with dedicated mounting via Adaptor Plate Kit

Axxess Pro 3100

- **Application:** Heavy-duty industrial installations - **Best paired with:** Roll-A-Shutter 10/100 and 12/100 series, large industrial roller doors - **Key feature:** Designed for the largest and heaviest commercial door installations; uses M12 bolt mounting system for maximum structural security

Choosing the Right Opener

| Door Type | Primary Opener | Alternative | |-----|-----|-----| | Series 2/3 (light commercial) | Hiro GDO-12v2 | Toro GDO-10v3 | | Series 2/3 (multi-user facility) | Toro GDO-10v3 | — | | Roll-A-Shutter 6/100 or 8/100 | Axxess Pro 1505 | Toro GDO-10v3 | | Roll-A-Shutter 10/100 or 12/100 | Axxess Pro 3100 | Axxess Pro 1505 | | Mini Warehouse | Toro GDO-10v3 | — | | P7 Industrial (sectional) | Consult B&D; | — |

Commercial vs Residential — When to Step Up

Not every business needs a commercial-grade door. Here is when the investment is justified — and when a residential product might suffice.

You Need Commercial-Grade When:

- **Daily cycle count exceeds 10–15 operations** — commercial doors are built for higher cycle ratings with heavier-duty springs, tracks, and hardware - **Opening width exceeds 5,500mm** — residential products max out well below this; the P7 Industrial reaches 7,620mm and Roll-A-Shutters reach 12,000mm - **Wind region is C or D (cyclonic)** — commercial products carry tested wind load certifications per AS/NZS 4505:2012 - **Multiple users need access** — the Toro GDO-10v3 manages up to 511 remotes; residential openers handle far fewer - **Security is a primary concern** — Roll-A-Shutter's shoot bolt locks and steel slat construction provide significantly higher physical security than residential roller doors - **Insurance or compliance requires it** — many commercial insurers and council approvals mandate AS/NZS-tested doors for business premises - **The door operates in a shared or public space** — safety beam requirements and commercial logic consoles are designed for environments with pedestrian and vehicle traffic

Residential May Suffice When:

- **The business operates from a standard residential garage** — home-based businesses with light usage - **Opening size is standard residential** — under 5,500mm wide, under 3,000mm tall - **The door opens fewer than 10 times per day** — low-cycle environments - **Wind region is A or B (non-cyclonic)** — standard residential products handle these conditions - **Single-user access is sufficient** — one or two remotes, no time-clock programming needed

The Cost Perspective

Commercial doors cost more upfront but deliver significantly lower cost per cycle over their operational life. A Roll-A-Shutter 10/100 rated for tens of thousands of cycles will outlast multiple residential doors in a high-traffic industrial environment. The warranty terms are identical at 1 year for components and labour, but the underlying engineering is built for heavier duty.

Frequently Asked Questions

What is the largest opening a B&D; commercial door can cover?

The Roll-A-Shutter 10/100 and 12/100 series cover openings up to **12,000mm wide and 10,000mm tall**, making them suitable for aircraft hangars, large workshops, and industrial facilities. For sectional doors, the P7 Industrial reaches 7,620mm wide and 4,500mm tall.

Can I get natural light through a commercial roller door?

Not through the Series 2 or Series 3 Roll-A-Door or Roll-A-Shutter ranges. For natural light in a commercial door, choose the **P7 Industrial™ with acrylic panel inserts** available in clear, smoke, or opaque finishes. This is the only B&D; commercial door offering transparent panel options.

Which commercial door has the highest wind rating?

The **Roll-A-Shutter 10/100 series** leads the range with a static inward pressure rating of **11.69 kPa** — significantly higher than the Series 2 (up to 4.89 kPa) and Series 3 (up to 4.18 kPa) roller doors. All ratings are tested to AS/NZS 4505:2012.

How many remotes can a commercial opener support?

The **Toro® GDO-10v3** supports up to **511 Tri-Tran+ remotes**, making it the ideal choice for multi-tenant facilities like self-storage complexes. The Hiro GDO-12v2 also uses Tri-Tran+ technology but is designed for lower user-count applications.

What is the difference between Series 2 and Series 3 Roll-A-Door?

The primary difference is the **curtain profile**. Series 2 has a traditional ribbed profile with 8mm wide ribs at 77mm centres, while Series 3 features a wider, flatter **Squareline profile** with 28mm wide ribs at 84mm centres for a more contemporary appearance. Series 3 is available in a 2,700mm height option that Series 2 is not. Wind ratings are comparable, with Series 2 slightly higher due to its narrower rib spacing.

Do commercial doors come with a warranty?

All B&D; industrial and commercial door products carry a **1-year warranty** covering all components and associated labour. The warranty requires correct installation by a qualified installer, proper maintenance according to B&D; guidelines, and excludes damage from salt corrosion, moisture exposure, improper installation, unauthorised modifications, or failure to perform preventative servicing.

Can I motorise a Roll-A-Shutter?

Yes. All Roll-A-Shutter series (6/100, 8/100, 10/100, and 12/100) can be fitted with motorised openers. Chain geared manual operation is available for shutters covering areas below 25 square metres. For motorised installations, the **Axess Pro 1505** suits the 6/100 and 8/100 series, while the **Axess Pro 3100** is recommended for the larger 10/100 and 12/100 series.

What ventilation options are available in commercial doors?

Only the **P7 Industrial™ sectional door** offers built-in ventilation options. The **Airpanel™ insert** provides approximately 80% airflow using an Amplimesh grill design, while the **aluminium slatted insert** delivers approximately 40% airflow. Roller doors and shutters in the Series 2, Series 3, and Roll-A-Shutter ranges do not offer integrated ventilation.