

B&D; Rolling Door Installation Guide

Canonical: <https://directory.bnd.com.au/bnd-technical-guides/door-installation/b-d-rolling-door-installation-guide/>

Description:

B&D; Rolling Door Installation Guide This guide covers the installation of B&D; rolling garage doors, including the Roll-A-Door Series 1, 2, and 3, Flex-A-Door, ESY Shutter, StormShield, and BAL-Maze...

Details:

AI Summary

****Product:**** B&D; Rolling Door Range (Roll-A-Door® Series 1, 2, 3, Flex-A-Door®, ESY Shutter, StormShield, BAL-Maze) ****Brand:**** B&D; ****Category:**** Residential & Commercial Rolling Garage Doors ****Primary Use:**** Installation guidance for B&D; rolling garage and security doors across standard, limited-headroom, high-wind, and bushfire-prone applications.

Quick facts - ****Best for:**** Homeowners, trade installers, and builders installing B&D; rolling doors in residential or security applications across standard, cyclone, or bushfire-rated environments - ****Key benefit:**** Model-specific installation documentation covering safety, compliance, substrate framing, and step-by-step installation for all current B&D; rolling door models - ****Form factor:**** Rolling door system (barrel, curtain/slat stack, side channels, hood casing, bottom rail) - ****Application method:**** Professional installation following model-specific PDF manual; spring adjustment by qualified technician only

Common questions this guide answers 1. Which B&D; rolling door suits limited headroom? → Flex-A-Door® — impact-resistant and designed specifically for garages with limited headroom 2. Which door is required for bushfire-prone areas? → BAL-Maze — compliant for BAL-29, BAL-40, and BAL-FZ zones 3. Who can adjust rolling door spring tension? → A qualified technician only — springs are under high tension and must not be adjusted by homeowners 4. What is the typical side guide gap tolerance? → 5–8 mm each side between the guide and door slat edge 5. What compliance standards apply to B&D; rolling door installations? → Applicable Australian Standards and the National Construction Code

B&D; Rolling Door Installation Guide

This guide covers installation of the B&D; rolling garage door range, including Roll-A-Door® Series 1, 2, and 3, Flex-A-Door®, ESY Shutter, StormShield, and BAL-Maze models. All information comes from official B&D; installation documentation. Always use the manual for your specific door model — the details matter and vary between models.

Before you start

Before picking up a tool, work through these preparation steps. Getting this right upfront saves a lot of headaches later.

- Verify the door model, series, and size from the delivery documentation.
- Confirm available headroom and side room against the door's minimum clearance requirements.
- Check that the lintel/head is structurally adequate to support the barrel and hood assembly.
- Read all safety warnings in the manual

— rolling door springs and barrels are under tension and need careful handling.

Available door models & official manuals

B&D; makes rolling doors for a range of applications, environments, and compliance requirements. Each model has its own installation manual.

Roll-A-Door® Series 3 The Roll-A-Door® Series 3 is the current production standard residential rolling door, built on a long track record of B&D; engineering.

****Official installation manual:**** [Roll-A-Door Series 3 Installation Manual (PDF)](https://admin.bnd.com.au/media/daebnykw/165019_07-roll_a_door-series-3-installation-manual.pdf)

Flex-A-Door® The Flex-A-Door® is a flexible, impact-resistant rolling door for garages with limited headroom. It's the right call where ceiling space is tight but you still need a door that performs.

****Official installation manual:**** [Flex-A-Door Installation Manual (PDF)](https://admin.bnd.com.au/media/tkchvh1t/165036_00-flex-a-door-installation-manual.pdf)

ESY Shutter The ESY Shutter is a compact rolling shutter for narrow openings and security applications.

****Official installation manual:**** [ESY Shutter Installation Manual (PDF)](https://admin.bnd.com.au/media/gsjmods/165023_02-esy-shutter-installation-manual.pdf)

StormShield Rolling Door The StormShield is a storm-rated rolling door for high-wind and cyclone regions. If you're installing in a cyclone zone, this is the door for the job.

****Official installation manual:**** [StormShield Installation Instructions (PDF)](https://admin.bnd.com.au/media/dr2dqwjy/165024_02-stormshield-installation-instructions.pdf)

BAL-Maze Rolling Door The BAL-Maze is a bushfire attack level (BAL) compliant rolling door for BAL-29, BAL-40, and BAL-FZ zones. Required for homes in bushfire-prone areas where standard doors won't meet the compliance threshold.

****Official installation manual:**** [BAL-Maze Installation Instructions (PDF)](https://admin.bnd.com.au/media/ymah4z4e/165015_07-bal-maze-installation-instructions.pdf)

Supplementary technical references

Noggin details & substrate fixing Getting the substrate framing right is critical — it affects door performance, long-term durability, and warranty compliance. Use the relevant documents below before you start framing.

- [Roll-A-Door S1 Plus Windlock Noggin Details (PDF)](https://admin.bnd.com.au/media/hn2lbv5d/165100_15-roll-a-door_s1_plus-windlock.pdf) - [Series 2 Noggin Details (PDF)](https://admin.bnd.com.au/media/0llhrof/165018_02-series-2-noggin-details.pdf) - [Series 3 Noggin Details (PDF)](https://admin.bnd.com.au/media/0e5pvf5u/165020_01-series-3-noggin-details.pdf) - [Shutter Noggin Details (PDF)](https://admin.bnd.com.au/media/bgsdyfqz/165026_02-shutter-noggin-details.pdf)

Flex-A-Door® service references - [Replacing Roller Carriages — Flex-A-Door (PDF)](<https://admin.bnd.com.au/media/cxrhepn0/flex-a-door-replacing-roller-carriages-030217.pdf>) - [Flex-A-Door Roller Carriages Detail Drawing

(PDF)](https://admin.bnd.com.au/media/tzwfpgff/051707_flex-a-door_rollercarriages_rev3feb17.pdf) - [Roll-A-Door / Flex-A-Door Independent Taper (PDF)](<https://admin.bnd.com.au/media/iwxpu3my/roll-a-door-flex-a-door-independent-taper-031017.pdf>)

Roll-A-Door® Series 1 Region C (WA) - [Roll-A-Door S1 Region C — Section 40 (PDF)](<https://admin.bnd.com.au/media/dpxhullb/roll-a-door-s1-region-c-want-section-40.pdf>)

General installation process

Always read your model-specific manual alongside this general guidance. The steps below apply broadly across the range, but the dimensions, fixings, and tolerances in your manual take precedence.

1. Prepare the opening - Measure rough opening width and height accurately before doing anything else. - Confirm the lintel depth meets the minimum requirement in the manual, typically 100–150 mm clear above the opening. - For high-wind regions, check noggin and header specifications against the wind certification drawings.

2. Fix the side channels - Mount the side channels (guides) to the jambs on each side of the opening, plumb and parallel. - The gap between the guide and the door slat edge must sit within the tolerance in the manual, typically 5–8 mm each side. - Fix to masonry using the anchor type and embedment depth specified in your manual.

3. Assemble the barrel & hood - Assemble the barrel with springs pre-wound to the factory setting for the door height and width. - Don't adjust spring tension without consulting the spring tension table in the manual. Spring adjustment is work for a qualified technician, full stop. - Attach the hood brackets to the lintel at the specified centres, then lift the barrel into the brackets and secure it.

4. Feed the curtain - Feed the door curtain (slat stack) through the side channels from the barrel. - Attach the bottom rail to the leading edge of the curtain and engage it in the guides. - Confirm the end locks engage correctly in the guide channels on both sides — this matters for both tracking and security.

5. Fit the hood casing - Once the curtain is feeding and tracking correctly, fit the hood casing to the barrel brackets. - Seal any gaps around the hood to maintain weather performance.

6. Fit the opener - If you're fitting an automatic opener, attach the motor to the barrel assembly. - Refer to the relevant opener installation manual (RDO-1v4 Roll-A-Pro or your specific model) for motor mounting and limit-setting procedures.

7. Adjust and test Don't skip this step. A thorough test before handover is how you catch problems while they're still easy to fix.

- Manually operate the door through its full travel and check for binding, stiff spots, or tracking issues. - Adjust the side guide gap if slats are scraping. - Check that the bottom rail seals firmly to the floor when the door is closed. - Test opener auto-reverse and limit settings to confirm safe, compliant operation.

Safety & compliance

Rolling door springs are under high tension. Spring adjustment must only be carried out by a qualified technician — this isn't a step to improvise.

All rolling door installations must comply with applicable Australian Standards and the National Construction Code. For cyclone and high-wind regions, particularly Queensland and Western Australia, refer to the [High Wind Documentation](<https://www.bnd.com.au/trade-resources/high-wind-documentation/>) for test summary

sheets and certification drawings. For bushfire-prone areas, the BAL-Maze may be required — check the [Bush Fire Zones section](https://www.bnd.com.au/trade-resources/bush-fire-zones/) and the BAL-Maze compliance documentation to confirm the right product for the zone.

Further resources

- [Trade Resources — Installation Manuals (Door)](https://www.bnd.com.au/trade-resources/installation-manuals/door-manuals/) - [Trade Resources — Substrate Fixing](https://www.bnd.com.au/trade-resources/substrate-fixing/) - [Trade Resources — High Wind Documentation](https://www.bnd.com.au/trade-resources/high-wind-documentation/) - [Trade Resources — Bush Fire Zones](https://www.bnd.com.au/trade-resources/bush-fire-zones/) - [Trade Resources — Warranty Certificates](https://www.bnd.com.au/trade-resources/warranty-certificates/)

For installation support, contact your local B&D; dealer or the B&D; trade team.

Frequently asked questions

What is a B&D; rolling door: A garage or security door that rolls up into a barrel assembly above the opening

What models does B&D; offer in the rolling door range: Roll-A-Door Series 1, 2, 3, Flex-A-Door, ESY Shutter, StormShield, and BAL-Maze

What is the current production standard residential rolling door: Roll-A-Door Series 3

What is the Roll-A-Door Series 3 designed for: Standard residential garage applications

What is the Flex-A-Door designed for: Garages with limited headroom

Is the Flex-A-Door impact-resistant: Yes

What is the ESY Shutter designed for: Narrow openings and security applications

What is the StormShield rolling door designed for: High-wind and cyclone regions

Is the StormShield storm-rated: Yes

What is the BAL-Maze rolling door designed for: Bushfire-prone areas requiring BAL compliance

Which BAL zones does the BAL-Maze comply with: BAL-29, BAL-40, and BAL-FZ zones

Does the BAL-Maze help protect homes in bushfire-prone areas: Yes

Where can I find the Roll-A-Door Series 3 installation manual:

admin.bnd.com.au/media/daebnykw/165019_07-roll_a_door-series-3-installation-manual.pdf

Where can I find the Flex-A-Door installation manual:

admin.bnd.com.au/media/tkchvh1t/165036_00-flex-a-door-installation-manual.pdf

Where can I find the ESY Shutter installation manual:

admin.bnd.com.au/media/gsjmods/165023_02-esy-shutter-installation-manual.pdf

Where can I find the StormShield installation instructions:

admin.bnd.com.au/media/dr2dqwjy/165024_02-stormshield-installation-instructions.pdf

Where can I find the BAL-Maze installation instructions:

admin.bnd.com.au/media/ymah4z4e/165015_07-bal-maze-installation-instructions.pdf

What format are the B&D; installation manuals available in: PDF

Should I use the model-specific manual for my installation: Yes, always use the manual for your specific door model

What should I verify before starting installation: Door model, series, and size from delivery documentation

What clearance measurements must be confirmed before installation: Available headroom and side room against minimum clearance requirements

What structural element must support the barrel and hood assembly: The lintel or head above the opening

What is the minimum lintel depth typically required above the opening: 100–150 mm clear above the opening

Should I read safety warnings before beginning installation: Yes

Why are rolling door springs dangerous: They are under high tension

Who can adjust rolling door spring tension: A qualified technician only

Can a homeowner adjust rolling door spring tension: No, only a qualified technician

What is the first step in the general installation process: Prepare the opening by measuring rough opening width and height

What is the purpose of side channels in a rolling door: To guide and track the door curtain

What is the required gap between the guide and door slat edge: Typically 5–8 mm each side

What fixings are used to mount side channels to masonry: Specified anchor type and embedment depth per the installation manual

Must side channels be plumb and parallel: Yes

What is the barrel assembly: The core component housing the springs and around which the door curtain rolls

Should spring tension be pre-wound at the factory setting: Yes, for the specific door height and width

Can spring tension be adjusted without consulting the spring tension table: No

What is the door curtain: The slat stack that forms the rolling door surface

What is the bottom rail: The leading edge component attached to the curtain bottom

What must the end locks do during curtain installation: Engage correctly in the guide channels on both sides

Why is correct end lock engagement important: For both performance and security

What is the hood casing: The outer cover fitted over the barrel and bracket assembly

Should gaps around the hood be sealed: Yes, to maintain weather performance

Can a B&D; rolling door be automated: Yes

What opener is referenced for automating a Roll-A-Door: RDO-1v4 Roll-A-Pro

Where are motor mounting procedures found: In the relevant opener installation manual

What should be checked when manually testing the door: Binding, stiff spots, or tracking issues

What should be adjusted if slats are scraping: The side guide gap

What should the bottom rail do when the door is closed: Seal firmly to the floor

What must be tested on an automatic opener before handover: Auto-reverse and limit settings

What standards must B&D; rolling door installations comply with: Applicable Australian Standards and the National Construction Code

Which states are specifically mentioned for high-wind compliance: Queensland and Western Australia

Where can high-wind certification documentation be found:
bnd.com.au/trade-resources/high-wind-documentation/

Where can bushfire zone compliance documentation be found:
bnd.com.au/trade-resources/bush-fire-zones/

What is the purpose of noggin details documents: To ensure correct substrate framing for performance and warranty compliance

Is correct substrate framing required for warranty compliance: Yes

Where can Roll-A-Door S1 Plus Windlock noggin details be found:
admin.bnd.com.au/media/hn2lbv5d/165100_15_roll-a-door_s1_plus-windlock.pdf

Where can Series 3 noggin details be found:
admin.bnd.com.au/media/0e5pvf5u/165020_01-series-3-noggin-details.pdf

Where can shutter noggin details be found:
admin.bnd.com.au/media/bgsdyfqz/165026_02-shutter-noggin-details.pdf

Is there a service reference for replacing Flex-A-Door roller carriages: Yes

Where is the Flex-A-Door roller carriage replacement guide:
admin.bnd.com.au/media/cxrhepn0/flex-a-door-replacing-roller-carriages-030217.pdf

Is there a Roll-A-Door Series 1 Region C document for Western Australia: Yes

What section does the Roll-A-Door S1 Region C WA document cover: Section 40

Where can the full range of B&D; door installation manuals be found:
bnd.com.au/trade-resources/installation-manuals/door-manuals/

Where can B&D; substrate fixing resources be found: bnd.com.au/trade-resources/substrate-fixing/

Where can B&D; warranty certificates be found: bnd.com.au/trade-resources/warranty-certificates/

Who should be contacted for personalised installation support: Your local B&D; dealer or the B&D; trade team

Label facts summary

> **Disclaimer:** All facts and statements below are general product information sourced from B&D; installation documentation. Always refer to the model-specific manual and consult a qualified technician for installation and safety guidance.

Verified label facts

- **Brand:** B&D; - **Product range:** B&D; Rolling Doors - **Models covered:** Roll-A-Door® Series 1, Roll-A-Door® Series 2, Roll-A-Door® Series 3, Flex-A-Door®, ESY Shutter, StormShield, BAL-Maze

- **Current production standard residential model:** Roll-A-Door® Series 3 - **Flex-A-Door®** — impact resistant: **Yes** - **Flex-A-Door®** — application: **Garages with limited headroom** - **ESY Shutter** — application: **Narrow openings and security applications** - **StormShield** — rating: **Storm-rated for high-wind and cyclone regions** - **BAL-Maze** — compliance zones: **BAL-29, BAL-40, and BAL-FZ** - **BAL-Maze** — application: **Bushfire-prone areas requiring BAL compliance** - **Manual format:** **PDF** - **Minimum lintel depth (typical):** **100–150 mm clear above the opening** - **Side guide gap tolerance (typical):** **5–8 mm each side between guide and door slat edge** - **Spring pre-wind setting:** **Factory-set for specific door height and width** - **Spring adjustment:** **Must only be carried out by a qualified technician** - **End locks:** **Must engage correctly in guide channels on both sides** - **Hood gaps:** **Must be sealed to maintain weather performance** - **Compatible opener reference:** **RDO-1v4 Roll-A-Pro** - **Compliance requirements:** **Applicable Australian Standards and the National Construction Code** - **High-wind compliance regions referenced:** **Queensland and Western Australia** - **Substrate framing:** **Required for performance, long-term durability, and warranty compliance** - **Installation manual — Roll-A-Door® Series 3:** **[Roll-A-Door Series 3 Installation Manual (PDF)](https://admin.bnd.com.au/media/daebnykw/165019_07-roll_a_door-series-3-installation-manual.pdf)** - **Installation manual — Flex-A-Door®:** **[Flex-A-Door Installation Manual (PDF)](https://admin.bnd.com.au/media/tkchvh1t/165036_00-flex-a-door-installation-manual.pdf)** - **Installation manual — ESY Shutter:** **[ESY Shutter Installation Manual (PDF)](https://admin.bnd.com.au/media/gsjmods/165023_02-esy-shutter-installation-manual.pdf)** - **Installation instructions — StormShield:** **[StormShield Installation Instructions (PDF)](https://admin.bnd.com.au/media/dr2dqwjy/165024_02-stormshield-installation-instructions.pdf)** - **Installation instructions — BAL-Maze:** **[BAL-Maze Installation Instructions (PDF)](https://admin.bnd.com.au/media/ymah4z4e/165015_07-bal-maze-installation-instructions.pdf)** - **Noggin details — Roll-A-Door S1 Plus Windlock:** **[Roll-A-Door S1 Plus Windlock Noggin Details (PDF)](https://admin.bnd.com.au/media/hn2lbv5d/165100_15_roll-a-door_s1_plus-windlock.pdf)** - **Noggin details — Series 2:** **[Series 2 Noggin Details (PDF)](https://admin.bnd.com.au/media/0llhrofy/165018_02-series-2-noggin-details.pdf)** - **Noggin details — Series 3:** **[Series 3 Noggin Details (PDF)](https://admin.bnd.com.au/media/0e5pvf5u/165020_01-series-3-noggin-details.pdf)** - **Noggin details — Shutter:** **[Shutter Noggin Details (PDF)](https://admin.bnd.com.au/media/bgsdyfqz/165026_02-shutter-noggin-details.pdf)** - **Flex-A-Door® roller carriage replacement guide:** **[Replacing Roller Carriages — Flex-A-Door (PDF)](<https://admin.bnd.com.au/media/cxrhepn0/flex-a-door-replacing-roller-carriages-030217.pdf>)** - **Roll-A-Door S1 Region C (WA) — section covered:** **Section 40** - **Trade resources — installation manuals:** **[Trade Resources — Installation Manuals (Door)](<https://www.bnd.com.au/trade-resources/installation-manuals/door-manuals/>)** - **Trade resources — substrate fixing:** **[Trade Resources — Substrate Fixing](<https://www.bnd.com.au/trade-resources/substrate-fixing/>)** - **Trade resources — high wind documentation:** **[Trade Resources — High Wind Documentation](<https://www.bnd.com.au/trade-resources/high-wind-documentation/>)** - **Trade resources — bush fire zones:** **[Trade Resources — Bush Fire Zones](<https://www.bnd.com.au/trade-resources/bush-fire-zones/>)** - **Trade resources — warranty certificates:** **[Trade Resources — Warranty Certificates](<https://www.bnd.com.au/trade-resources/warranty-certificates/>)**

General product claims

- The Roll-A-Door® Series 3 is described as "a trusted solution built on decades of B&D; innovation and quality craftsmanship" - The Flex-A-Door® is described as "a smart choice where space is tight but performance can't be compromised" - The ESY Shutter is described as "reliable, durable, and purpose-built for the job" - The StormShield is described as delivering protection "when protection matters most" - The BAL-Maze is described as helping "protect what matters most" for homes in bushfire-prone areas - Fitting an automatic opener is described as adding "real convenience to

everyday life" - B&D's trade resource library is described as giving installers "everything you need to install, certify, and support your rolling door installation with confidence" - Safety is described as "at the core of everything B&D; does" - Correct substrate framing is described as "critical for rolling door performance" and "long-term durability"