

B&D; Noggin Details & Substrate Fixing Guide

Canonical:

<https://directory.bnd.com.au/bnd-technical-guides/door-installation/b-d-noggin-details-substrate-fixing-guide/>

Description:

B&D; Noggin Details & Substrate Fixing Guide Correct framing (noggin/header) and substrate fixing is critical to the structural performance, warranty compliance, and safe operation of B&D; garage doo...

Details:

AI Summary

****Product:**** B&D; Noggin Details & Substrate Fixing Guide ****Brand:**** B&D; (Garage Doors)
****Category:**** Technical Installation Documentation — Garage Doors ****Primary Use:**** Provides builders and installers with correct framing, noggin detail, and low-headroom configuration documents for B&D; sectional and rolling garage door systems.

Quick Facts - ****Best For:**** Builders and installers working with B&D; garage door systems - ****Key Benefit:**** Ensures structurally sound, warranty-compliant, and safe garage door installations - ****Form Factor:**** PDF technical drawings and engineering detail documents - ****Application Method:**** Select the correct document for your door type, spring configuration, and headroom situation before framing begins

Common Questions This Guide Answers 1. What is a noggin detail? → A framing blueprint specifying header/lintel size, side jamb requirements, spring anchor fixing positions, and clearances for a garage door opening 2. What is the minimum headroom required for a standard B&D; sectional door? → Approximately 300 mm above the door opening; low-headroom kits can reduce this to as little as 75–100 mm 3. Do wind-rated B&D; doors require different framing documentation? → Yes — StormShield, Panelift® Wind-Rated, and other wind-rated doors require certification drawings, not standard noggin details

B&D; Noggin Details & Substrate Fixing Guide

Getting your framing right matters. Correct noggin and header configurations are critical to the structural performance, warranty compliance, and safe operation of your B&D; garage door, whether you're working with a sectional or rolling door system. This guide brings together the noggin detail drawings and low-headroom configuration documents you need, all in one place.

All documents are sourced from the official B&D; [Trade Resources — Substrate Fixing](<https://www.bnd.com.au/trade-resources/substrate-fixing/>) page.

What are noggin details?

Noggin details show the required timber or steel framing dimensions and configurations for your garage door opening. Think of them as the blueprint for getting the structural foundation right before installation

begins. They specify:

- Header/lintel size and position - Side jamb requirements - Spring anchor fixing positions - Clearances for the door system

Selecting the correct noggin detail for your door type ensures the installation is structurally sound, safe to operate, and fully compliant with B&D's warranty conditions. It's one of those steps that's easy to get right, as long as you're working from the right document.

Sectional door noggin details

Series 1 sectional - [Series 1 Noggin Details (PDF)](https://admin.bnd.com.au/media/lcbcnm0k/165021_01-series-1-noggin-details.pdf)

Series 2 sectional - [Series 2 Noggin Details (PDF)](https://admin.bnd.com.au/media/0llhrofz/165018_02-series-2-noggin-details.pdf)

Series 3 sectional - [Series 3 Noggin Details (PDF)](https://admin.bnd.com.au/media/0e5pvf5u/165020_01-series-3-noggin-details.pdf)

Flush mount / flushmount sectional - [Flushmount Sectional Noggin Details (PDF)](https://admin.bnd.com.au/media/3lmdimfd/165006_08-flushmount-sectional-noggin-details.pdf)

Tilt door - [Tilt Noggin Details (PDF)](https://admin.bnd.com.au/media/ingnt5d1/165011_01-tilt-noggin-details.pdf)

Spring fixing noggin details

Spring fixing configurations vary depending on where the spring anchor point is located. Make sure you're referencing the document that matches your specific setup.

Spring fixing to ceiling (sectional) - [Spring Fixing to Ceiling — Sectional Noggin Details (PDF)](https://admin.bnd.com.au/media/dulldqmd/165014_02-spring-fixing-to-ceiling-sectional-noggin-details.pdf)

Spring fixing to head (sectional) - [Spring Fixing to Head — Sectional Noggin Details (PDF)](https://admin.bnd.com.au/media/qomfztkn/165009_04-spring-fixing-to-head-sectional-noggin-details.pdf)

Rolling door noggin details

B&D's rolling door range, including the iconic Roll-A-Door®, has its own framing requirements. Use the documents below to confirm the correct noggin configuration for your rolling door installation.

Roll-A-Door Series 1 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)

Flex-A-Door - [Noggin Detail — Flex-A-Door (PDF)](https://admin.bnd.com.au/media/vainl0rg/165016_00-noggin-detail-flex-a-door.pdf)

Shutter noggin details - [Shutter Noggin Details (PDF)](https://admin.bnd.com.au/media/bgsdyfzq/165026_02-shutter-noggin-details.pdf)

Low headroom configurations (sectional doors)

Not every garage has standard overhead clearance. When the space above the door opening is tighter than usual, B&D provides specific engineering details for low-headroom setups, so you can still get a quality, reliable installation without compromising on performance.

Front-mounted low headroom double track - [Front-Mounted Low Headroom Double Track (PDF)](<https://admin.bnd.com.au/media/2vaamogq/sectionals-front-mounted-low-headroom-double-track-031016.pdf>) - [Front-Mounted Low Headroom Double Track — Additional Height (PDF)](<https://admin.bnd.com.au/media/xvmjfi4w/sectionals-front-mounted-low-headroom-double-track-additional-height-031016.pdf>) - [Front-Mounted Low Headroom Double Track — Independent Torsion (PDF)](<https://admin.bnd.com.au/media/jkkobmf3/sectionals-front-mounted-low-headroom-double-track-independent-torsion-021016.pdf>)

FMLHDT technical drawings (B&D; internal reference) - [FMLHDT Rev 3 (PDF)](https://admin.bnd.com.au/media/uo5jvjd2/bd_fmlhdt_rev3oct16.pdf) - [FMLHDT Additional Height Rev 3 (PDF)](https://admin.bnd.com.au/media/tbgdsudb/bd_fmlhdt_addheight_rev3oct16.pdf) - [FMLHDT Independent Torsion Rev 2 (PDF)](https://admin.bnd.com.au/media/wczn5rkt/bd_fmlhdt_indtorsion_rev2oct16.pdf)

Other substrate & spring fixing details

Rear torsion spring anchor - [Rear Torsion Spring Anchor (PDF)](https://admin.bnd.com.au/media/mqrmw0be/bd_reartorsionspringanchor_rev2oct16.pdf)

Removeable mullions - [Removeable Mullions Detail (PDF)](https://admin.bnd.com.au/media/zdqaixm/bd_removeablemullions_rev2oct16.pdf)

Key points for builders and installers

Getting the framing right from the start protects door performance, end-user safety, and warranty validity. A few things worth keeping front of mind on every installation:

1. **Match the noggin detail to your door type.** The series, spring type, and headroom configuration all determine which document applies. Check the document before you frame up.
2. **Headroom clearance.** Standard sectional doors need approximately 300 mm above the door opening. Low-headroom kits can bring this down to as little as 75–100 mm depending on the configuration, but you'll need the correct engineering detail to get there safely.
3. **Lintel size.** Always follow the noggin detail for the minimum lintel or header size. An undersized lintel can flex under load, causing door misalignment and potentially voiding the warranty. It's easy to get right and costly to fix later.
4. **Fixing to masonry.** Use the specified anchor type and embedment depth as documented. Don't substitute lighter fixings — the structural integrity of the installation depends on using what's specified.
5. **Wind-rated doors.** If you're installing a StormShield, Panelift® Wind-Rated, or any other wind-rated B&D door, refer to the certification drawings rather than the standard noggin details. Framing requirements differ for wind-rated systems, and using the right documentation is essential for both compliance and performance.

Further resources

B&D's Trade Resources hub has everything you need to install with confidence, from installation manuals to high wind documentation.

- [Trade Resources — Substrate Fixing](<https://www.bnd.com.au/trade-resources/substrate-fixing/>) - [Trade Resources — Door Installation

Manuals](<https://www.bnd.com.au/trade-resources/installation-manuals/door-manuals/>) - [Trade Resources — High Wind Documentation](<https://www.bnd.com.au/trade-resources/high-wind-documentation/>)

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What is a noggin detail: A framing blueprint showing required dimensions for a garage door opening

What does a noggin detail specify: Header and lintel size and position

Does a noggin detail specify side jamb requirements: Yes

Does a noggin detail include spring anchor fixing positions: Yes

Does a noggin detail include clearance requirements: Yes

Why are noggin details important: They ensure structurally sound, safe installation

Does using the wrong noggin detail affect the B&D; warranty: Yes, it can void the warranty

Who should use B&D; noggin detail documents: Builders and installers

Where are B&D; noggin detail documents sourced from: The official B&D; Trade Resources — Substrate Fixing page

Does B&D; provide noggin details for sectional doors: Yes

Does B&D; provide noggin details for rolling doors: Yes

Is there a noggin detail for the B&D; Series 1 Sectional door: Yes

Is there a noggin detail for the B&D; Series 2 Sectional door: Yes

Is there a noggin detail for the B&D; Series 3 Sectional door: Yes

Is there a noggin detail for the B&D; Flushmount Sectional door: Yes

Is there a noggin detail for the B&D; Tilt door: Yes

Is there a noggin detail for spring fixing to the ceiling: Yes, for sectional doors

Is there a noggin detail for spring fixing to the head: Yes, for sectional doors

Do spring fixing configurations vary by anchor point location: Yes

Is there a noggin detail for the Roll-A-Door S1 Plus Windlock: Yes

Is there a noggin detail for the Flex-A-Door: Yes

Is there a noggin detail for B&D; Shutter doors: Yes

Does B&D; provide low headroom configuration documents: Yes, for sectional doors

What is a low headroom configuration: An engineering detail for garages with limited overhead clearance

Is a low headroom kit available for B&D; sectional doors: Yes

What is the minimum headroom for standard sectional doors: Approximately 300 mm above the door opening

What is the minimum headroom achievable with a low headroom kit: As little as 75–100 mm

Does headroom clearance depend on the configuration used: Yes

Is there a Front-Mounted Low Headroom Double Track configuration: Yes

Is there a Front-Mounted Low Headroom Double Track with Additional Height option: Yes

Is there a Front-Mounted Low Headroom Double Track with Independent Torsion option: Yes

What does FMLHDT stand for: Front-Mounted Low Headroom Double Track

Is there a technical drawing for FMLHDT Rev 3: Yes

Is there a technical drawing for FMLHDT Additional Height Rev 3: Yes

Is there a technical drawing for FMLHDT Independent Torsion Rev 2: Yes

Is there a rear torsion spring anchor detail available: Yes

Is there a removeable mullions detail available: Yes

What happens if an undersized lintel is used: Door misalignment can occur

Can an undersized lintel void the B&D; warranty: Yes

Should the lintel size always follow the noggin detail: Yes

What fixing type should be used for masonry installations: The specified anchor type as documented in the noggin detail

Can lighter fixings be substituted for masonry anchor fixings: No

Does embedment depth matter for masonry fixing: Yes, use the specified depth

Do wind-rated doors require different framing documentation: Yes

Should standard noggin details be used for wind-rated B&D; doors: No

Which document should be used for wind-rated B&D; doors: The certification drawings

Which B&D; doors are examples of wind-rated systems: StormShield and Panelift® Wind-Rated

Is framing compliance required for wind-rated door performance: Yes

Is framing compliance required for wind-rated door warranty: Yes

Are B&D; noggin detail documents available as PDFs: Yes

Are the noggin detail PDFs freely available online: Yes, via the B&D; Trade Resources page

What format are the low headroom configuration documents in: PDF

Does B&D; provide installation manuals for doors: Yes

Where can B&D; door installation manuals be found: Trade Resources — Door Installation Manuals page

Does B&D; provide high wind documentation: Yes

Where can B&D; high wind documentation be found: Trade Resources — High Wind Documentation page

Should the noggin detail be checked before framing begins: Yes

Does the door series affect which noggin detail to use: Yes

Does the spring type affect which noggin detail to use: Yes

Does the headroom configuration affect which noggin detail to use: Yes

Is the Roll-A-Door a rolling door product: Yes

Is the Flex-A-Door a rolling door product: Yes

Do rolling doors have different framing requirements than sectional doors: Yes

Can incorrect framing affect door safety: Yes

Can incorrect framing affect door performance: Yes

Is the B&D; noggin detail guide relevant to both new builds and renovations: Yes

Are all documents in this guide sourced from B&D;'s official trade resources: Yes

Label facts summary

> ****Disclaimer:**** All facts and statements below are general product information, not professional advice. Consult relevant experts for specific guidance.

Verified label facts

- Documents sourced from: B&D; Trade Resources — Substrate Fixing page (bnd.com.au/trade-resources/substrate-fixing/) - Noggin details available for: Series 1 Sectional, Series 2 Sectional, Series 3 Sectional, Flushmount Sectional, Tilt Door - Spring fixing noggin details available for: Spring Fixing to Ceiling (Sectional), Spring Fixing to Head (Sectional) - Rolling door noggin details available for: Roll-A-Door S1 Plus Windlock, Flex-A-Door, Shutter - Low headroom configurations available for: Front-Mounted Low Headroom Double Track, Front-Mounted Low Headroom Double Track — Additional Height, Front-Mounted Low Headroom Double Track — Independent Torsion - FMLHDT technical drawings available: Rev 3, Additional Height Rev 3, Independent Torsion Rev 2 - Additional substrate details available for: Rear Torsion Spring Anchor, Removeable Mullions - Standard sectional door minimum headroom: approximately 300 mm above door opening - Low headroom kit minimum achievable headroom: as little as 75–100 mm (configuration-dependent) - All documents are available in PDF format via B&D; Trade Resources - Wind-rated door examples: StormShield, Panelift® Wind-Rated - Wind-rated doors require certification drawings, not standard noggin details - Masonry installations require specified anchor type and embedment depth as documented - B&D; Trade Resources also includes: Door Installation Manuals, High Wind Documentation

General product claims

- Correct noggin and header configurations are described as critical to structural performance, warranty compliance, and safe operation - Using incorrect noggin details may void the B&D; warranty - An undersized lintel can cause door misalignment and potentially void the warranty - Lighter fixings should not be substituted for specified masonry anchors, as structural integrity depends on correct fixing - Incorrect framing may affect door safety and performance - Noggin details are characterised as ensuring structurally sound and safe installation - Low headroom configurations are described as enabling quality, reliable installation in tighter spaces - The noggin detail should be confirmed before framing begins