

B&D; Front Mounted Low Headroom Double Track Installation Guide

Canonical: <https://directory.bnd.com.au/bnd-technical-guides/low-headroom-configurations/b-d-front-mounted-low-headroom-double-track-installation-guide/>

Description:

B&D; Front Mounted Low Headroom Double Track — Installation Guide **Part No: OT4608 | Revision 3 — October 2016** > These instructions are intended for professional garage door installers. All refe...

Details:

AI Summary

****Product:**** B&D; Front Mounted Low Headroom Double Track ****Brand:**** B&D; ****Category:**** Garage Door Track System / Installation Hardware ****Primary Use:**** Enables installation of a B&D; sectional garage door where headroom above the opening is too limited for a standard track configuration.

Quick facts - **Best for:** Professional garage door installers working with limited headroom openings - ****Key benefit:**** Allows sectional door installation with as little as 200mm of headroom (manual) or 250mm (automatic opener) - ****Form factor:**** Double track front-mounted hardware assembly - ****Application method:**** Front-mounted to header, fitted with colour-coded torsion bar components and trimmed top track

Common questions this guide answers 1. What is the minimum headroom required for this system? → 200mm for manual operation; 250mm if fitting an automatic opener 2. Does this configuration provide full walk-under clearance? → No — door panels travel closer to the ceiling plane, reducing available height under the open door 3. How long should the lift cables be cut? → Door height plus 400mm each, to allow correct cable drum wrap and secure bottom bracket attachment

B&D; Front Mounted Low Headroom Double Track — Installation guide

****Part No: OT4608 | Revision 3 — October 2016****

> These instructions are intended for professional garage door installers. All references are taken from inside looking out.

****Official document:**** [Front Mounted Low Headroom Double Track Installation Instructions (PDF)](https://admin.bnd.com.au/media/uo5jvjd2/bd_fmldt_rev3oct16.pdf)

Overview

When headroom above the opening is tight, the twin track front-mount low headroom configuration lets you fit a B&D; sectional door where a standard setup won't work. Clearance requirements are straightforward:

- ****200mm headroom**** — suitable for manual door operation - ****250mm headroom**** — required if you're fitting an automatic opener (200mm + 50mm)

> ****Important:**** The standard parts box may not include everything you need for this installation method. Check the parts list below before you begin.

> ****Note:** This installation will not give full walk-under clearance.

Parts required

Confirm you have all the right components on hand before starting.

Part	Part number	Quantity	Notes
L/H end bearing bracket	OT4558	1	
R/H end bearing bracket	OT4559	1	
Top hangars	OT4543	2	
Lift cables	Not specified by manufacturer		Door height + 400mm each

Torsion bar assembly components

The torsion bar assembly for this configuration uses the following components. All references are from inside looking out — keep this orientation in mind throughout.

Component	Colour code	Position	Notes
Cable drum assembly	**RED**	Left hand	
Cable drum assembly	**BLACK**	Right hand	
Torsion spring assembly	**RED**	Left hand	
Torsion spring assembly	**BLACK**	Right hand	
End bearing bracket	Not specified by manufacturer	Left hand	
End bearing bracket	Not specified by manufacturer	Right hand	
Centre bearing bracket	Not specified by manufacturer	Centre of torsion bar	

****Cable Part No: OT4543**** ****Combined cable drum / end bearing assembly Part No: OT4558-49****

Each cable drum has a notch designed for the wire rope — make sure the cable seats correctly in this notch before tensioning. Getting this right matters for both performance and safety.

Key installation requirements

1. Cable drum position The cable drum must be fitted as close as possible to the head (the header above the door opening). This is what achieves the 200mm minimum headroom clearance.

2. Top track trimming The top track must be trimmed back 40mm so it doesn't interfere with the cable during operation. Measure carefully from the end of the top track and cut squarely before fitting.

3. Top hangar fitment Fit the 2 x top hangars (OT4543) to the horizontal track at the positions shown in the installation drawing. The hangars support the cable as it transitions from the drum to the door bottom bracket.

4. Cable length Cut or order lift cables at: ****door height + 400mm****. This extra length allows for correct cable drum wrap and secure bottom bracket attachment. The right cable length is fundamental to safe door operation.

Torsion spring tensioning

Torsion spring tensioning is one of the most critical stages of this installation. Work carefully and don't rush it.

1. Thread the lift cables through the cable drums, seating them correctly in the notch for the wire rope.
2. Connect the cables to the bottom brackets on the door.
3. Wind the torsion spring to the correct

number of turns for the door weight and size. Refer to the spring tension table in the relevant door installation manual for the right specification. 4. ****Warning: Torsion springs are under high tension. Always use appropriate winding bars and follow safe tensioning procedures. No shortcuts.****

Walk-under clearance

This configuration does not provide full walk-under clearance when the door is open. Because the door panels travel closer to the horizontal ceiling plane than in a standard headroom setup, the available height under the open door is reduced.

If your customer needs full walk-under clearance and the headroom allows for it, the standard (non-low headroom) track configuration is the right choice. If additional drive-under height is needed within a low headroom constraint, see the [Additional Height variant](https://admin.bnd.com.au/media/tbgdsudb/bd_fmlhdt_addheight_rev3oct16.pdf).

Further resources

- [Official Installation Document (PDF)](https://admin.bnd.com.au/media/uo5jvjd2/bd_fmlhdt_rev3oct16.pdf) - [Additional Height Variant (PDF)](https://admin.bnd.com.au/media/tbgdsudb/bd_fmlhdt_addheight_rev3oct16.pdf) - [Independent Torsion Variant — 250mm minimum (PDF)](https://admin.bnd.com.au/media/wczn5rkt/bd_fmlhdt_indtorsion_rev2oct16.pdf) - [Trade Resources — Substrate Fixing](https://www.bnd.com.au/trade-resources/substrate-fixing/) - [B&D; Noggin Details & Substrate Fixing Guide](/bnd-technical-guides/door-installation/b-d-noggin-details-substrate-fixing-guide)

Frequently asked questions

What is the product name: B&D; Front Mounted Low Headroom Double Track

What is the part number: OT4608

What revision is this installation guide: Revision 3

When was Revision 3 published: October 2016

Who are these installation instructions intended for: Professional garage door installers

What is the minimum headroom required for manual operation: 200mm

What is the minimum headroom required for automatic opener: 250mm

Why does an automatic opener need more headroom: It requires an additional 50mm above the manual minimum

Is this installation suitable for limited headroom situations: Yes

Does this installation provide full walk-under clearance: No

Why is walk-under clearance reduced: Door panels travel closer to the horizontal ceiling plane

What configuration provides full walk-under clearance: Standard non-low headroom track configuration

What is the part number for the left-hand end bearing bracket: OT4558

What is the part number for the right-hand end bearing bracket: OT4559

What is the part number for top hangars: OT4543

How many top hangars are required: 2

What is the required lift cable length formula: Door height plus 400mm

Why is the extra 400mm added to cable length: For correct cable drum wrap and secure bottom bracket attachment

What colour code identifies the left-hand cable drum assembly: Red

What colour code identifies the right-hand cable drum assembly: Black

What colour code identifies the left-hand torsion spring assembly: Red

What colour code identifies the right-hand torsion spring assembly: Black

What is the combined cable drum and end bearing assembly part number: OT4558-49

Where is the centre bearing bracket positioned: Centre of the torsion bar

How close must the cable drum be fitted to the head: As close as possible

Why must the cable drum be fitted close to the head: To achieve minimum 200mm headroom clearance

How much must the top track be trimmed back: 40mm

Why must the top track be trimmed back: To prevent interference with the cable during operation

How should the top track be cut: Squarely from the end of the track

Where are the top hangars fitted: On the horizontal track at positions shown in the installation drawing

What is the purpose of the top hangars: To support the cable as it transitions from drum to door bottom bracket

What is the first step in torsion spring tensioning: Thread lift cables through the cable drums

What must be checked when seating the cable in the drum: Cable must seat correctly in the notch

What is the notch in the cable drum designed for: Seating the wire rope

What is connected to the bottom brackets on the door: The lift cables

Where can the correct number of spring turns be found: In the spring tension table in the relevant door installation manual

Are torsion springs under high tension: Yes

What tool is required for safe torsion spring tensioning: Appropriate winding bars

Is torsion spring tensioning a critical safety step: Yes

Should shortcuts be taken during torsion spring tensioning: No

What direction are all installation references taken from: Inside looking out

Does the standard parts box always include everything needed: Not necessarily

What should be done before starting installation: Verify the parts list

What is the part number for the Additional Height variant document: Not specified by manufacturer

What is the URL for the official installation PDF:

https://admin.bnd.com.au/media/uo5jvjd2/bd_fmlhdt_rev3oct16.pdf

What is the URL for the Additional Height variant PDF:

https://admin.bnd.com.au/media/tbgdsudb/bd_fmlhdt_addheight_rev3oct16.pdf

What is the minimum headroom for the Independent Torsion variant: 250mm

What type of door is this track system designed for: B&D; sectional door

What is the purpose of this low headroom configuration: To fit a sectional door where standard setup won't work

Is this product suitable for automatic openers: Yes, with 250mm headroom

What additional resource covers substrate fixing: B&D; Trade Resources Substrate Fixing guide

What document covers noggin details: B&D; Noggin Details and Substrate Fixing Guide

What happens if cable length is too short: Safe door operation is compromised

How many end bearing brackets are included in a full assembly: Two, one left-hand and one right-hand

What is the consequence of incorrect cable seating in the drum notch: Reduced performance and safety risk

What should be done if a customer needs full walk-under clearance: Use the standard non-low headroom track configuration

What variant should be used if additional drive-under height is needed within low headroom: Additional Height variant

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

Verified label facts

- **Product name:** B&D; Front Mounted Low Headroom Double Track - **Part number:** OT4608 - **Document revision:** Revision 3 - **Revision date:** October 2016 - **Intended user:** Professional garage door installers - **Reference orientation:** Inside looking out - **Minimum headroom (manual operation):** 200mm - **Minimum headroom (automatic opener):** 250mm (200mm + 50mm additional) - **Walk-under clearance:** Not provided by this configuration - **L/H end bearing bracket part no:** OT4558 — Quantity: 1 - **R/H end bearing bracket part no:** OT4559 — Quantity: 1 - **Top hangars part no:** OT4543 — Quantity: 2 - **Lift cable length formula:** Door height + 400mm (each) - **Combined cable drum / end bearing assembly part no:** OT4558-49 - **Cable drum assembly (left hand) colour code:** Red - **Cable drum assembly (right hand) colour code:** Black - **Torsion spring assembly (left hand) colour code:** Red - **Torsion spring assembly (right hand) colour code:** Black - **Centre bearing bracket position:** Centre of torsion bar - **Cable drum fitment requirement:** Must be fitted as close as possible to the head - **Top track trim requirement:** Must be trimmed back 40mm - **Top track cut method:** Squarely from the end of the track - **Top hangar fitment position:** On the horizontal track at positions shown in the installation drawing - **Cable seating requirement:** Must seat correctly in the notch designed for the wire rope - **Spring tension reference:** Spring tension table in the relevant door installation manual - **Torsion spring tensioning tool required:** Appropriate winding bars - **Torsion springs:** Under high tension — no shortcuts permitted - **Independent torsion variant minimum headroom:** 250mm - **Official installation PDF URL:**

https://admin.bnd.com.au/media/uo5jvjd2/bd_fmlhdt_rev3oct16.pdf - **Additional height variant PDF URL:** https://admin.bnd.com.au/media/tbgdsudb/bd_fmlhdt_addheight_rev3oct16.pdf - **Door type:** B&D; sectional door

General product claims

- Standard parts box may not include all components required for this installation method - Verifying the parts list before installation saves time and avoids problems mid-job - Correct cable seating in the drum notch affects performance and safety of the finished installation - Correct cable length is fundamental to safe door operation - If full walk-under clearance is required and headroom allows, the standard non-low headroom track configuration is the appropriate solution - If additional drive-under height is needed within a low headroom constraint, the Additional Height variant is the appropriate solution