

INSTALLATION INSTRUCTIONS

PRODUCT: BALDUR

CONFIGURATION: BI-PARTING DOORS TROLLEY: FACE MOUNT TRACK MOUNT: WALL





The corresponding Product Specification document is to be comprehensively reviewed prior to product installation takes place.

To deviate, or to not comprehensively and precisely follow all applicable product specifications and installation instructions can result in unsafe or hazardous site conditions that can cause bodily harm or death.

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I. TOOLS + MATERIALS REQUIRED

TOOLS

- Tape measure
- Level
- Stud finder
- Ratchet and Imperial socket set
- Torque wrench capable of measuring up to 110 inch-lbs (9.5 ft-lbs)
 Imperial Allen wrench and bit set
- Standard bit kit with driver
- Power drill

- Inspectation
 Imperial drill bit index and countersink bit
 1-3/4" Forstner drill bit, or similar (for drywall)
 Router with grooving bit (for orders including wood door panels only)

TOOLS FOR DRILLING AND CUTTING TRACK

- Miter or chop saw and carbide toothed blade
- 9/16" metal drill bit

MATERIALS

- Blue painters tape
- Pencil or other non permanent marking tool

2. VERIFY ALL COMPONENTS

BASE KIT

Quantity included of each item is specific to ordered product configuration.



SYSTEM OPTIONS AND ADDITIONS



3. REMOVE TRACK COVER



4. DETERMINE TRACK LOCATION ON WALL

1) Determine the height of the track centerline:



5. DETERMINE TRACK DRILL PATTERN

If your track base was ordered with mounting point holes drilled, skip to step 9.

- (1) If your track base was ordered undrilled, the installation wall condition determines the track mounting point drill pattern and weight capacity. Follow the applicable **drill pattern** rules below based on your wall condition.
- Installations with multiple adjoining tracks are required to be interlocked as outlined in step 10 in order to provide the required continuous weight bearing surface. This is only compatible with the Structural blocking drill pattern. See right table below and note that each track length has to follow the outlined pattern with evenly spaced mounting points.
- Multiple tracks cannot be adjoined to provide a continuous weight bearing surface for installations where track mounting points are secured to wood studs. See left table below.

Wood stud drill pattern: (250 lb Max)**

Mounting point minimum: See table below

Up to 250 lbs ** with 1" maximum track standoff ***



Up to 200 lbs ** with 1-3/4" maximum track standoff ***



Panel weight	X*	Mounting points
Up to 100 lbs	5"	4 Minimum
101 - 200 lbs	4''	6 Minimum
201 - 250 lbs	3"	6 Minimum

* Maximum length of load-bearing track allowed beyond end mounting points. Non load-bearing track surface is outside of **system** width as defined in succeeding step and has no required minimum.

Structural blocking drill patterns

Mounting point minimum: 6

Up to 400 lbs ** with 1" maximum track standoff ***

3"	3"	I	24" max.		24" max.	4'	1	24" max.	1	24" max.	13	3"	3"
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Up to 200 lbs ** with 1-3/4" maximum track standoff ***

3" 3"	24" max.	24" max.	4	"	24" max.		24" max.	3	3" 3"
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Up to 200 lbs ** with 1" maximum track standoff ***

* 3" 3"	28" max.	28" max.	4"	28" max.		28" max.	;	3" 3"
		1						
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** Weight capacity is per track and may be further limited by trolley system as defined in applicable Product Specifications.

*** Reference Step 13 to define track standoff.

6. DETERMINE REQUIRED TRACK LENGTH

- Determine the desired open and closed positions of the door panel(s) considering protruding door pulls and overlap region for the floor guide.
- (2) Calculate minimum required track length by determining system width for each door using the formula below:

SYSTEM WIDTH = (DOOR WIDTH x 2) - DOOR PANEL OVERLAP

- If your track is mounting to wood studs, Minimum required track length will most likely exceed system width as determined by stud locations.
- For installations with multiple connected tracks, splice location requires blocking or for adjacent mounting point locations to attach to door header.
- For installations where one continuous track length is used for both systems, double the system width to determine minimum required track length.



7. SYSTEM OPTION - CUT TRACK TO LENGTH



8. DRILL TRACK BASE

- (1) With the appropriate lateral track wall position determined, apply the applicable Drill Pattern rules determined above.
- For tracks mounting to wood studs, ensure that site specific stud locations are considered.
- (2) Mark determined hole pattern and drill corresponding 9/16" holes along the centerline of the track base as shown.





9. LOCATE TRACK MOUNTING POINTS ON WALL

- (1) Translate hole pattern in your drilled track base(s) to the previously scribed track centerline line.
- Ensure that the determined lateral track wall position is considered.



10. CONNECT TRACK BASES

Installations with multiple adjoining tracks are required to be interlocked in order to provide a continuous weight bearing surface. Reference track mounting point hole spacing in table below. Skip to the next step for single-track installations.

- Butt track bases end-to-end ensuring that the colored sticker dot indicators are matching and face track connection point(s) as shown.
- (2) Using the track connector washer plate centered over the seam as a template, mark track bases for drilling.
- (3) Drill 13/64" holes in each track base.
- (4) Connect track bases by installing the track connector as shown. Ensure that washer plate teeth align with teeth in the track base before tightening.
- (5) Using a torque wrench, tighten fasteners to 48 inch-lbs (4 ft-lbs).







(5)

II. INSTALL DRYWALL INSERTS

This step is for walls with a non-structural surface only. I.e., drywall, pin-up board or other materials that are structurally weaker than the substrate. Skip to the next step if your finished wall surface is structural.

- 1 Use a 1-3/4" Forstner bit or similar to remove the drywall at each mounting point.
- (2) Place a drywall insert into each cavity.
- To perform their function, drywall inserts must be up against the structural material of your wall and flush with the finished surface. If needed, use the included steel shims as shown.



12. PILOT DRILL STRUCTURAL WALL

() Drill a pilot hole at each mounting point.							
Ensure that each mounting point engages an appropriate amount of structural material.							
Metal-studded framed walls must have 3" of solid blocking secured to studs or other framing members at each mounting point.							
Wood framed walls must have 3" of solid wood blocking secured to studs or other framing members. Mounting points can alternatively be secured to stud centers.	O	0	©	©	۵	o	\odot
Structural requirements and suitability of wall conditions to be determined by contor or other qualified professional.	other htrac-						

13. DETERMINE WALL CLEARANCE

- (1) Taking any protruding wall element into consideration, determine the desired door panel to wall surface clearance. Examples include: baseboard, door trim, electrical outlets and wall switches.
- (2) Identify the most appropriate track stand-off configuration using the formula and table below:

SYSTEM WALL CLEARANCE = DESIRED DOOR PANEL CLEARANCE + DOOR PANEL THICKNESS

- 3/8" minimum recommended door panel to wall surface clearance.
- Track stand-offs included dependent upon order configuration. See table below.





B = Track mount reduction kit

14. INSTALL DOOR STOPS

- (1) Slide one door stop into each end of the track base. Do not yet tighten fasteners.
- If installing Premium Door Stops, reference applicable installation instructions in parallel.





- Wall surface

Required 1/4"

track stand-off

Door panel

1-7/8" system wall clearance as shown

3/8" Minimum recommended door panel

clearance

0

0

15. SYSTEM OPTION - INSTALL PERPENDICULAR WALL FITTING

If your order includes perpendicular wall fittings, reference applicable separate installation instructions in parallel to install the fitting.



16. INSTALL END CAPS

End cap assembly may vary at each end of track base.

- Select the scenario(s) below that matches your track configuration:
 No perpendicular wall fittings: Follow step 2 below for each track base end.
 Perpendicular wall fitting on one end: Follow step 2 below for the opposite end.

 - Perpendicular wall fittings on both ends: Fhe track was completed in previous steps.
 Connecting multiple tracks together: Follow step 2 below on the outside ends of connected track run.

(2) Gently secure the end cap(s) to track base.

Do not over-tighten!





18. LEVEL AND ADJUST TRACK HEIGHT



19. SYSTEM OPTION - INSTALL TRACK SHIMS

- Sight down the length of your track to determine if unevenness in the wall surface is causing your track to bow. Skip to the next step if track base is straight.
- (2) If out of true, loosen select track attachment points as needed and insert shims from below as shown. Ensure that the opening of the shim faces up. Start with one of the thinner shims, adding and swapping shims as needed until the track is straight along entire length to within the thickness of one shim.
- Never use more than one shim kit at any mounting point. Track shims may only be used at mounting points that pull the track out of true.

NOTE: Bowing in the track will negatively affect the system performance, causing increased friction and excessive wear. Krownlab's warranty does not cover wear caused by improper installation.

(3) Retighten track fasteners to provided specifications.







Do not use shims for the purpose to extend the track standoff distance.

20. SECURE TRACK COVER

- (1) Confirm that track base is level, straight, and that all mounting points have been securely fastened.
- (2) Inspect each track spring to ensure no interference with the mounting hardware and that they are evenly spaced along the length of the track base.
- For installations with multiple connected tracks, ensure that the colored sticker dot indicators on inside of track cover are matching track base color and face track connection point(s).
- Ensure that the arrow on the inside of the track cover is facing up.
- (3) Carefully reattach track cover(s) to track base(s) confirming fully seated and securely attached along the entire length. Adjust track spring locations if needed.







21. PREPARE DOOR PANEL FOR FLOOR GUIDE

Refer to the separate installation instructions for the floor guide that is included with your order*. Once door is appropriately prepared, return to this document for next steps.

*Included floor guide may vary from examples shown below.





Installation of a floor guide is required and must for safety be engaged along the full length of door travel.

22. PREPARE DOOR PANEL FOR TROLLEYS



23. ATTACH TROLLEYS TO DOOR PANEL

1 Install the trolleys onto the door panel(s) using the correct length fastener as shown in the table.

(2) Ensure that trolleys sit vertical on the door panel.

- (3) Using a torque wrench, tighten fasteners to between 36 and 108 inch-lbs (3-9 ft-lbs), depending on door materials. A denser door material (ex. Metal) will need more torque than a lightweight material (ex. Wood).
- (4) Carefully hang your door panel(s).
- Do not yet install your door pulls or other door hardware.

Door thickness	Screw length
1-1/4" to 1-3/8"	1-1/4"
1-1/2" to 1-3/4"	1-1/2"
1-7/8" to 2-1/4"	2"
2-3/8" to 2-1/2"	2-1/2"







24. ADJUST DOOR PANEL HEIGHT

 If desired, door panel height can be adjusted up or down by raising or lowering the track base as outlined in step 18.



26. INSTALL FLOOR GUIDE

Refer to the separate installation instructions for the floor guide that is included with your order*. Once installed, continue to next step. *Included floor guide may vary from example(s) shown below.





Installation of a floor guide is required and must for safety be engaged along the full length of door travel.

27. INSTALL DOOR PULLS

1 If applicable, install door pulls following applicable installation instructions.



28. SET DOOR TRAVEL

If installing Premium Door Stops, reference those installation instructions in parallel.

- (1) With the door in the desired open position, slide the door stop until it touches the safety stop of the nearby trolley.
- Note any protruding door pulls.
- (2) Repeat with the door in the closed position, sliding the door stop until it touches the safety stop of the nearby trolley.
- Verify that the floor guide is properly engaged in both the fully open and fully closed positions.
- 3 Tighten all door stop fasteners in place by hand.
- Note minimum distance from track end.

4

- (4) Confirm that door stop locations have not shifted while tightening. Readjust if needed.
- (5) Using a torque wrench, tighten fasteners to 110 inch-lbs (9.5 ft-lbs).

Not tightening door stops to provided specs can cause the door to slide off the end of the track and cause damage and a safety hazard.



(5)

29. CARE AND MAINTENANCE

- Krownlab products require routine care and maintenance. Read and understand these requirements in our Product Care & Maintenance guide.
- ① Thoroughly clean product and remove all debris and fingerprints immediately after installation as described in our Product Care & Maintenance guide.
- (2) Enjoy your new exceptional Krownlab Sliding Door System.



Not properly following Krownlab's Care & Maintenance guide can cause excessive wear and degrade product performance over time.

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