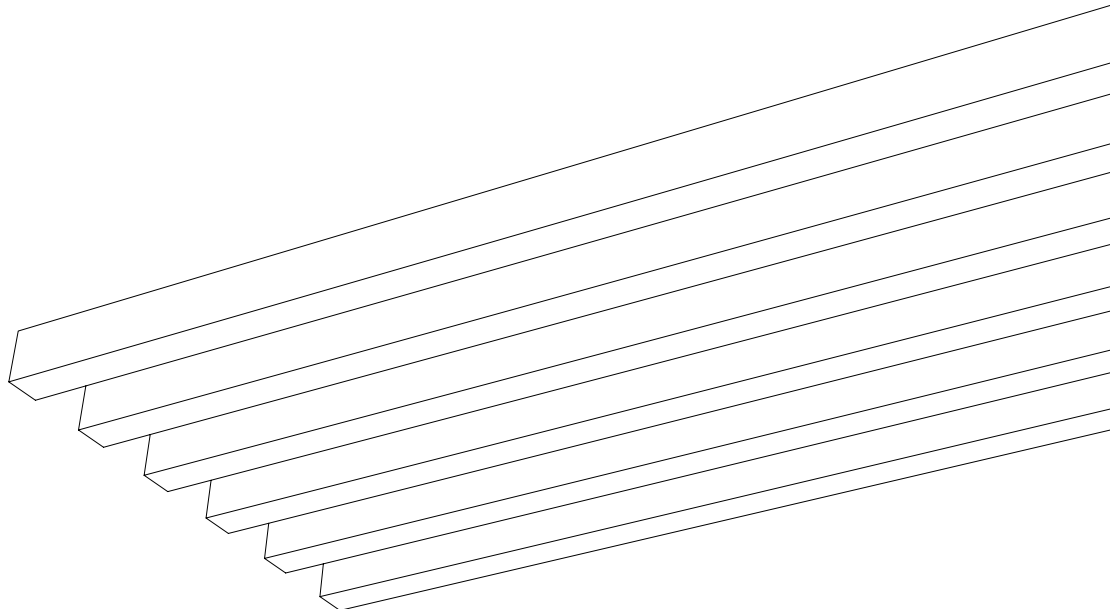




Balken

Volumetric Baffles

716.12.10.000.00	716.12.13.000.00
716.12.11.000.00	716.12.14.000.00
716.12.12.000.00	716.12.15.000.00
716.12.20.000.00	716.12.23.000.00
716.12.21.000.00	716.12.24.000.00
716.12.22.000.00	716.12.25.000.00

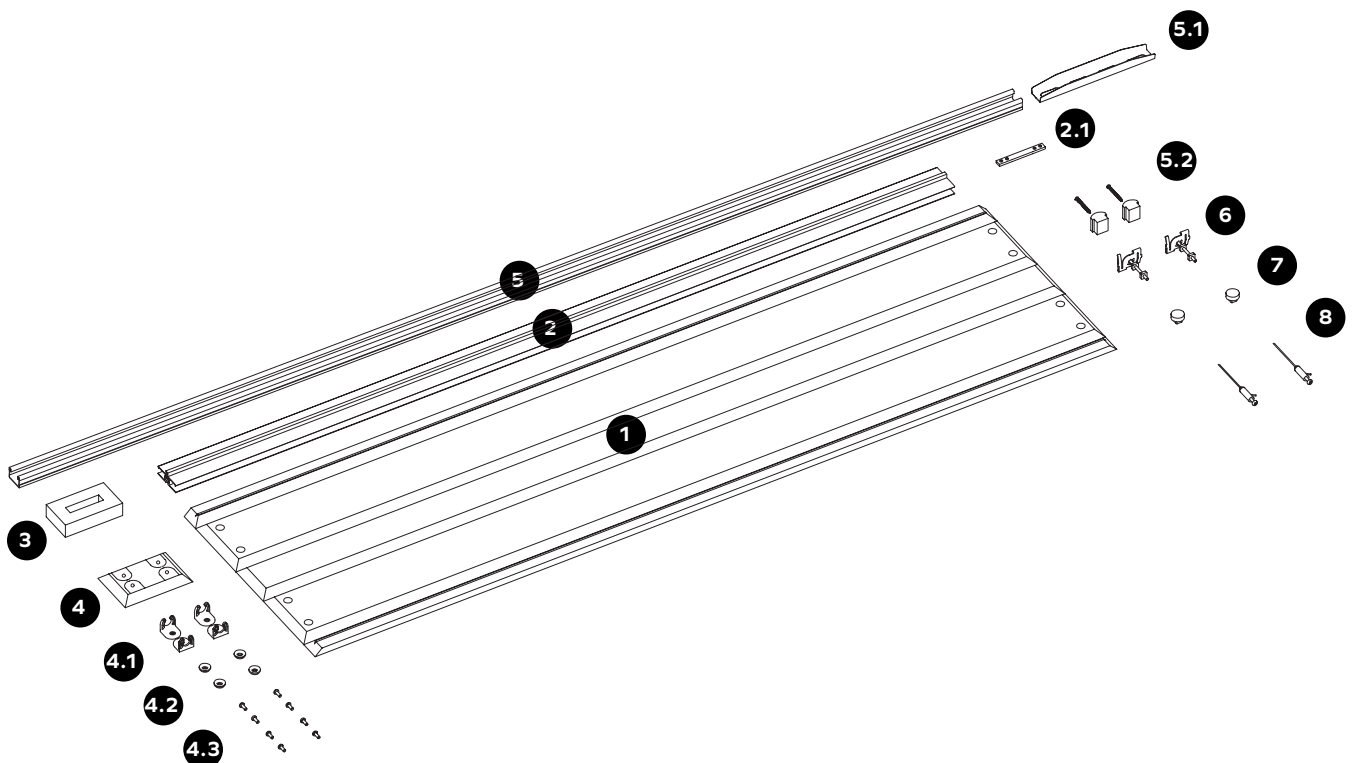
Balken Volumetric Baffles

Assembly Guide

1 Verify and organize

Verify all delivered elements and organize them based on the included labeling of each part and the supplied drawings. Please note that **optional items** and **installation hardware** will be provided based on particular order specification.

- | | | |
|------------|---|---------------------|
| 1 | BALKEN Archisonic® Felt main body | 716.12.10-22.000.00 |
| 2 | BALKEN Center Profil and 2.1 Center Profile Mending Plate | |
| 3 | BALKEN Archisonic® Felt alignment block | |
| 4 | BALKEN Archisonic® Felt EndCap | 716.12.51-53.000.00 |
| 4.1 | BALKEN Assembly Clips and 4.2 Buttons 4.3 Screws M3.9/11mm, phillips head | |
| 5 | Strut profiles and 5.1 strut connector | 828.20.00.600.00 |
| 5.2 | FELT-Fix attachment for strut channels (for strut channel installation) | 716.10.20.000.00 |
| 6 | T-Grid Twist clip with 10mm M4 square nuts | 716.10.30.000.00 |
| 7 | Magnets with square 10mm M4 nuts | 716.10.40.000.00 |
| 8 | Cable installation set | 716.10.10.000.00 |

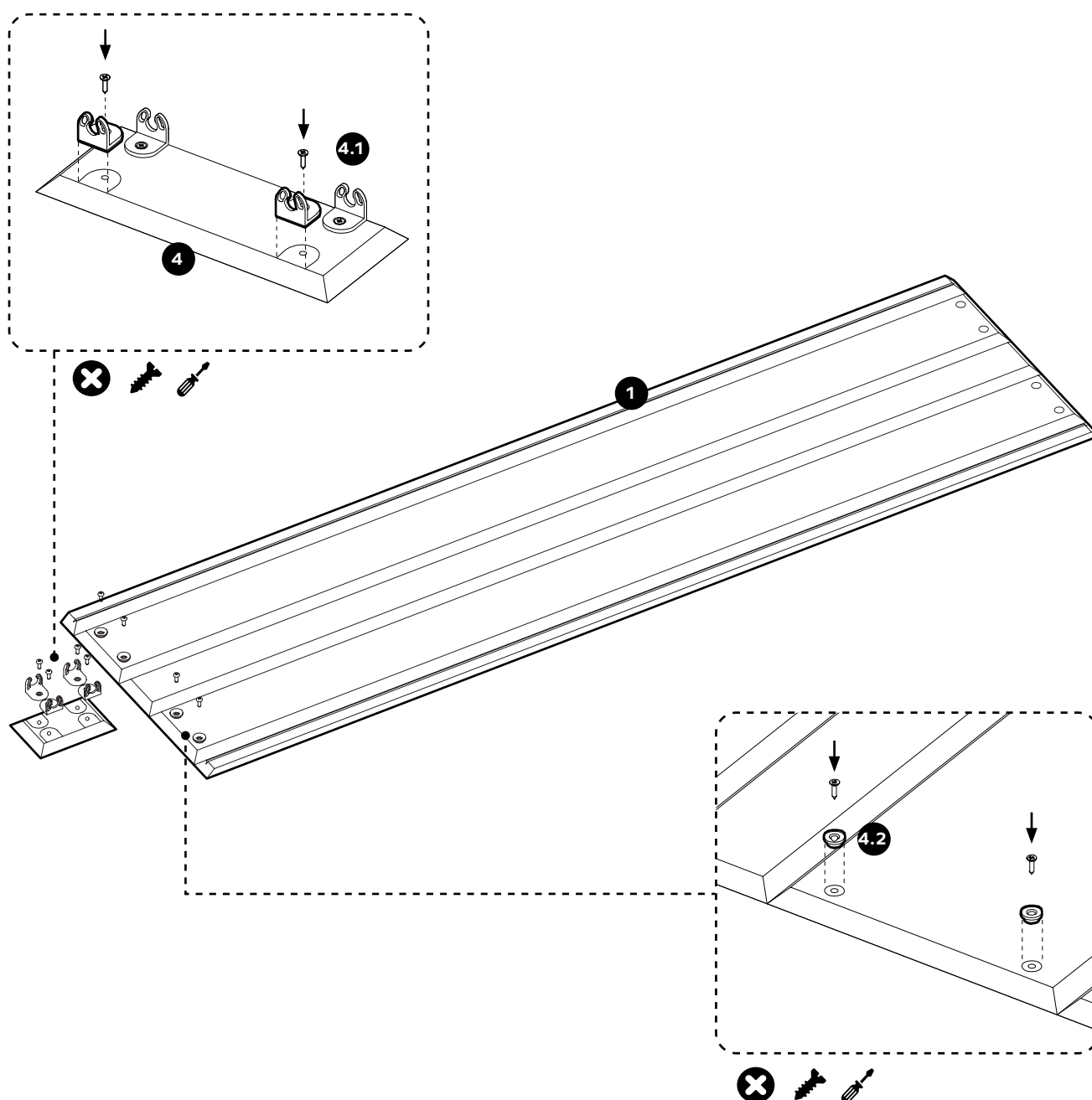


Balken Volumetric Baffles

Endcap Assembly

2 Install the assembly clips.

Install Assembly Clips (4.1) on the End Caps (4) felt elements and Assembly Clips Buttons (4.2) on the edges of the main Balken felt element (1) using included M4/11 wide thread phillips screws (4.3). This applies only the open edges of the Balken assembly, unless specified otherwise.

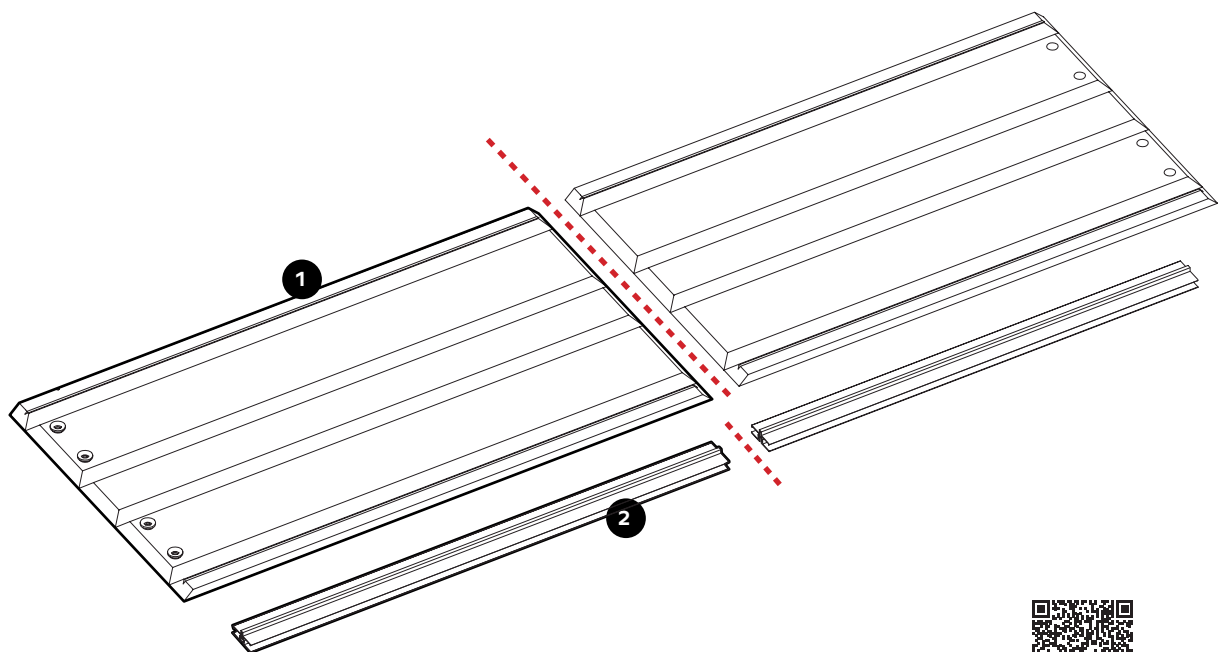
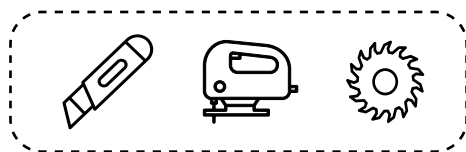


Balken Volumetric Baffles

On site modifications

3 Cutting elements to a specific size.

BALKEN Archisonic® Felt main body (1) can be cut on site to specific length using carpentry knife or rotary circular saw for wood (ex. Bosch Ø160 x 2,2/1,6 x 20mm, 48HW blade for wood). Please cut the Felt while flat on the ground before the assembly. Make sure blade does not get hot, this could cause the Felt material to melt and the edge to deform. The aluminum center profiles (2) can also be trimmed using the metal jigsaw or rotary blade. The Center Profile (2) should be cut **40mm (1 1/2")** shorter than the BALKEN Archisonic® Felt main body (1) .



Online Video Available

Balken Volumetric Baffles

Baffle Assembly

4 Assembly the Balken

Fold Balken Main Element (1) into volumetric shape as showed below and lock in place using center profile (2). Center profile should slide in with resistance securely closing the Balken volume (figure 1).

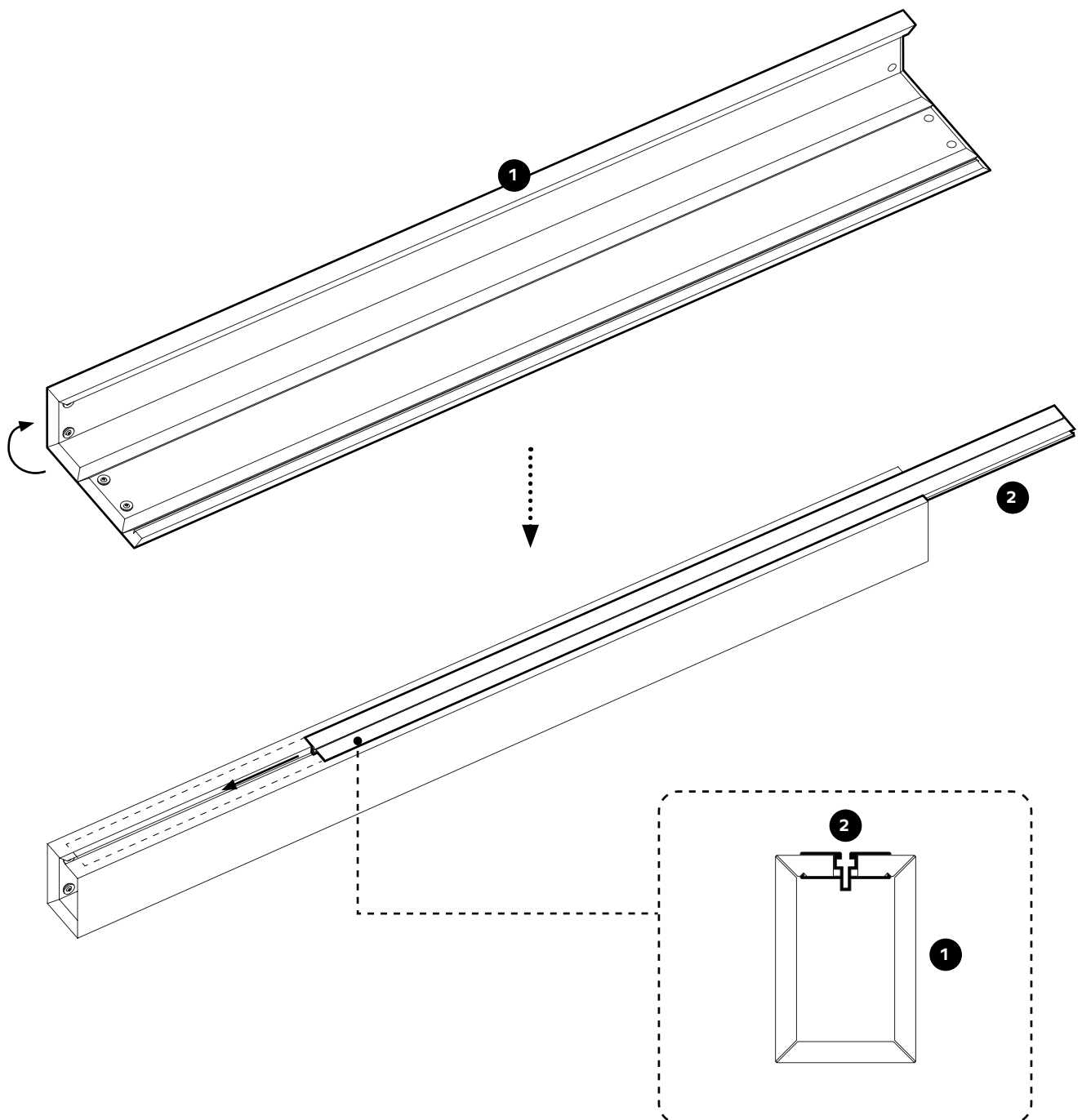


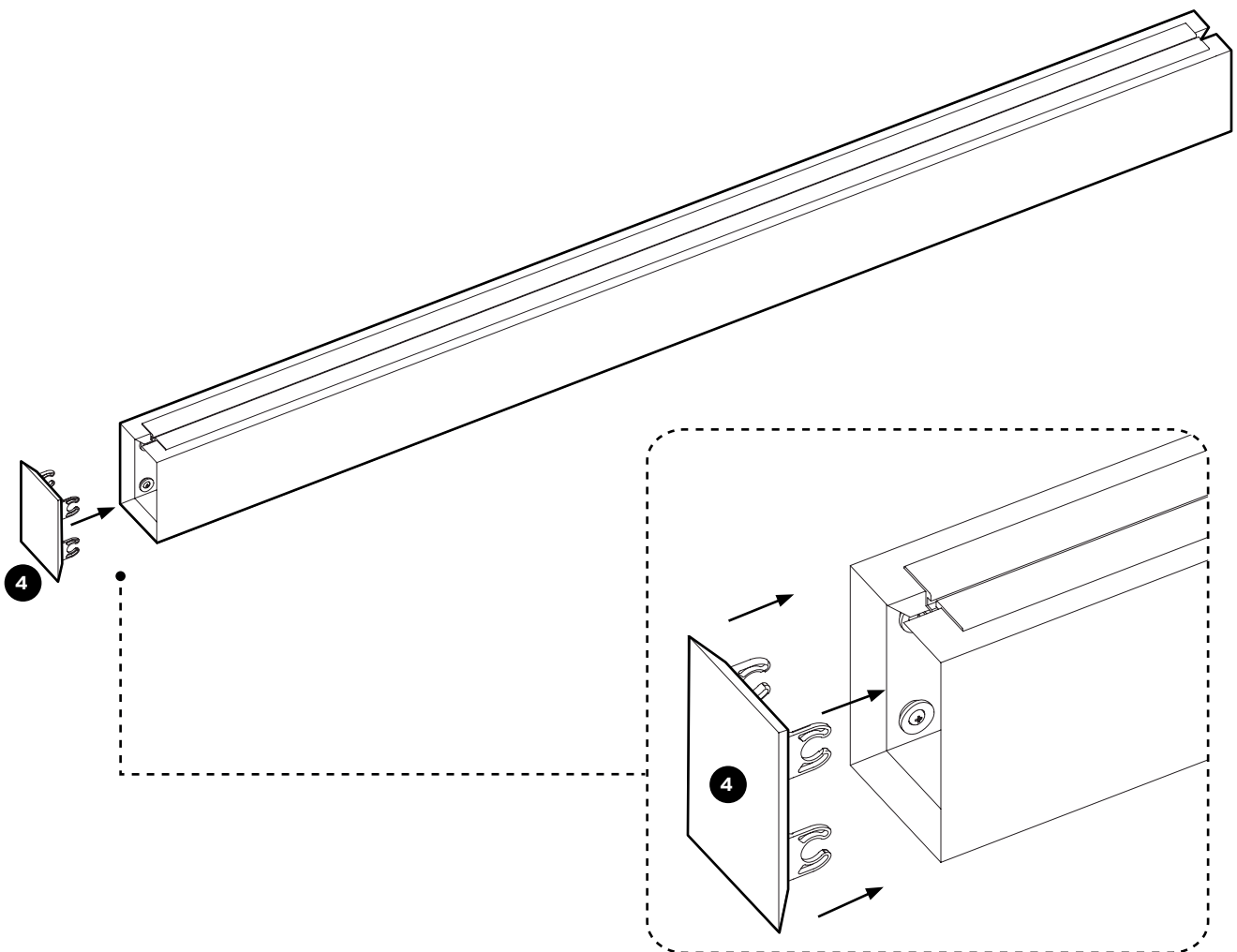
figure 1. Balken section with center profile

Balken Volumetric Baffles

Endcap installation

5 Install EndCap on tthe Balken

Assembled Endcap can be clipped in at the end of Balken run using clips and buttons installed previously (page 3). The clips should lock onto the buttons.



4 Install End Cap (if applicable)

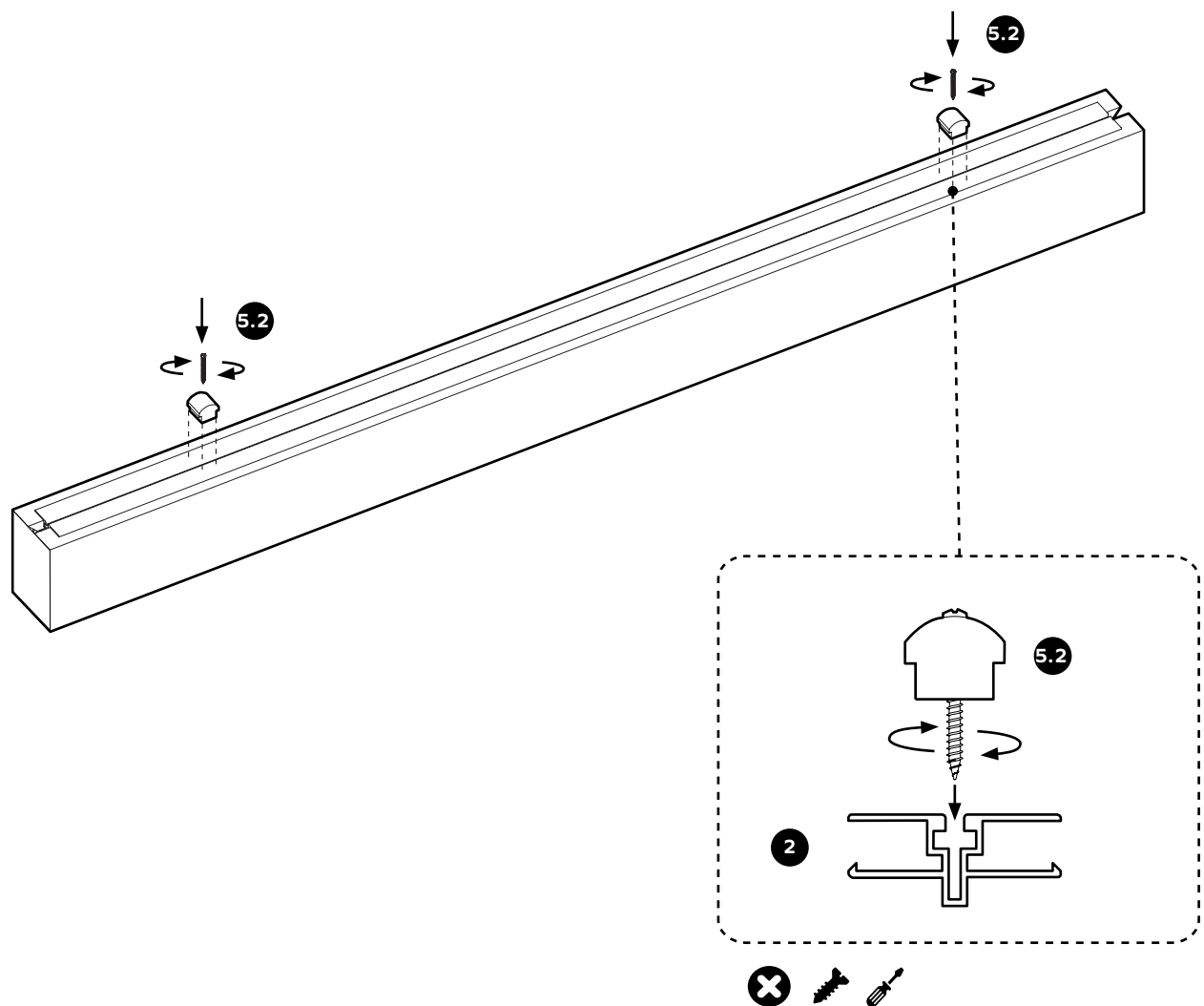
End Caps are optional items used to closed last open Balken edge in a row.

Balken Volumetric Baffles

Felt-Fix mount assembly

6 Assembly for installation using Felt-Fix and strut channels

When using the strut channel installation method for your Balken, additional hardware needs to be assembled to the Balken main body. The Felt-Fix elements (5.2) can be attached using provided screws in a flexible manner along the Balken Center Profile (2) length, and showed below. Measure the spacing of the struts channels on the ceiling, before installing the Felt-Fix.

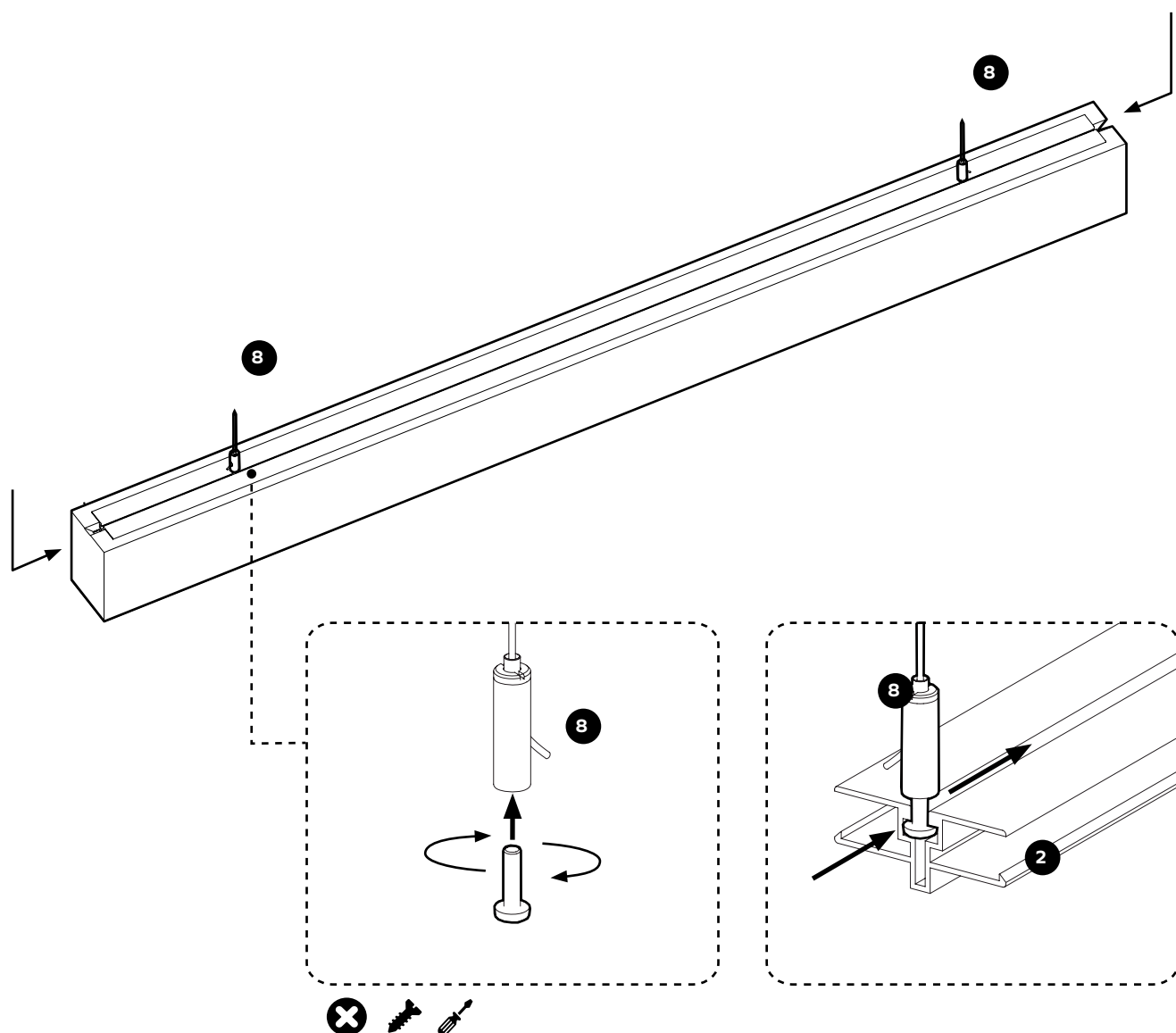


Balken Volumetric Baffles

Cable mount assembly

7 Assembly for installation using cable-to-ceiling mount.

When using the cable mount installation method for your Balken, the cable gripper elements (8) can be flexibly inserted and position along the Balken Center Profile as showed below.

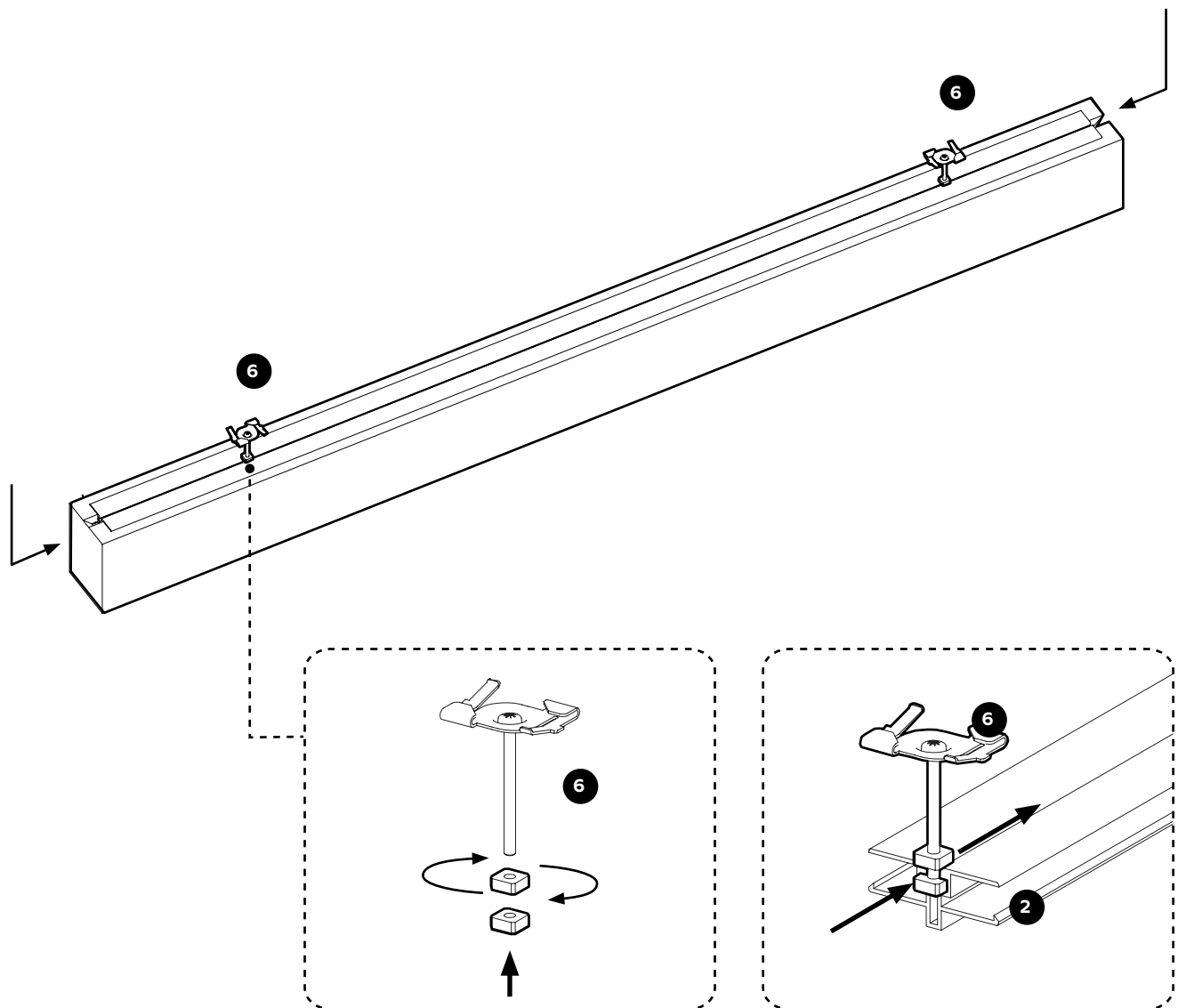


Balken Volumetric Baffles

T-Grid clip assembly

8 Assembly for installation using T-Grid clip

When using the T-Grid clip installation method for your Balken, additional hardware needs to be assembled to the Balken main body. The T-Grid twist clips (6) can be attached using square M4 nuts along the length of the Balken Center Profile, as showed below. Measure the spacing of your T-Grid installation before installing the T-Grid clips on the Balken.

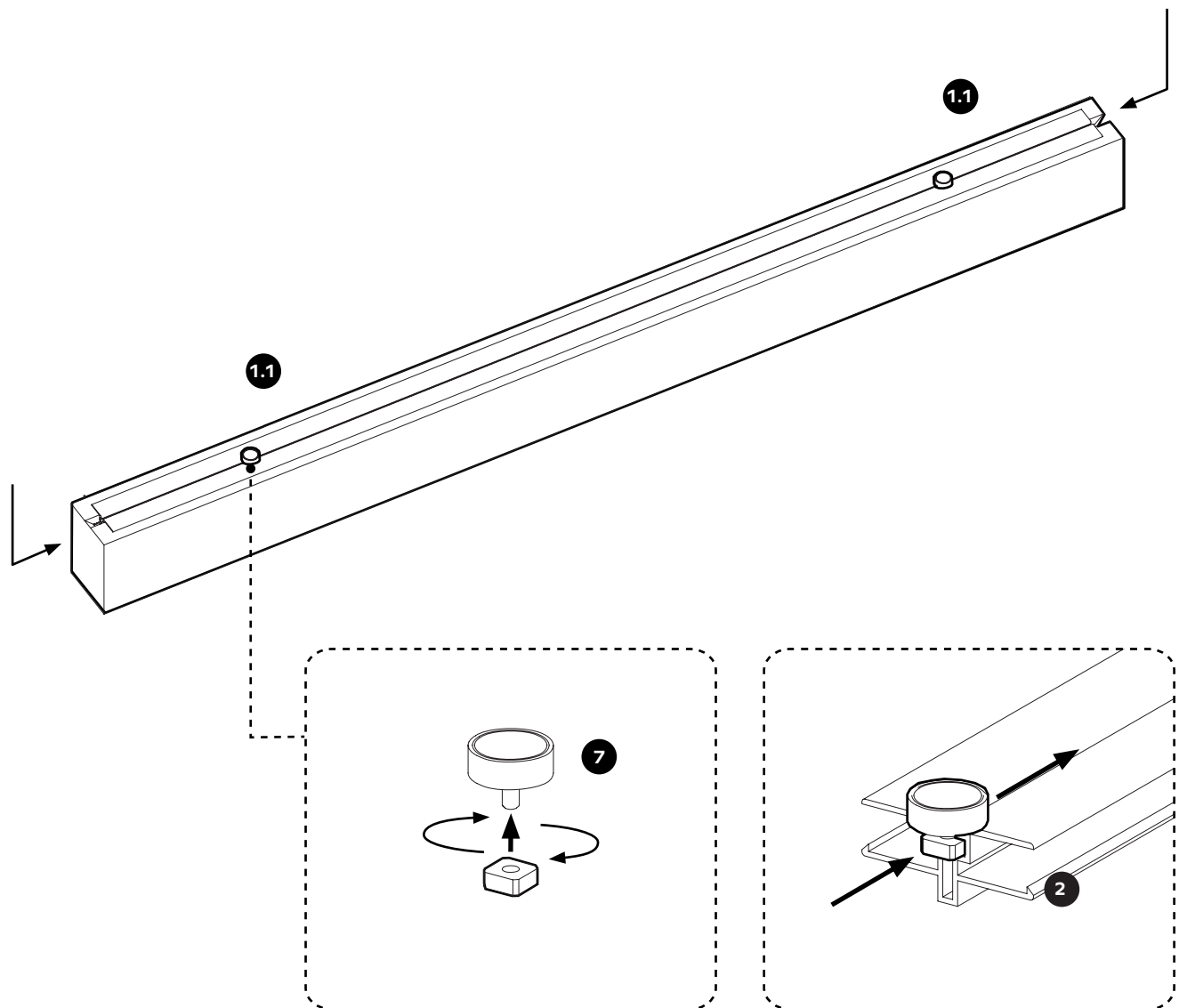


Balken Volumetric Baffles

Magnet mount assembly

9 Assembly for installation using Magnetic attachment.

When using the magnetic attachment installation method for your Balken, additional hardware needs to be assembled to the Balken main body. The D20mm Neodym-Magnet elements can be attached using square M4 nuts along the length of the Balken Center Profile, and showed below. Each magnet has a hold of aprox. 12kg*.



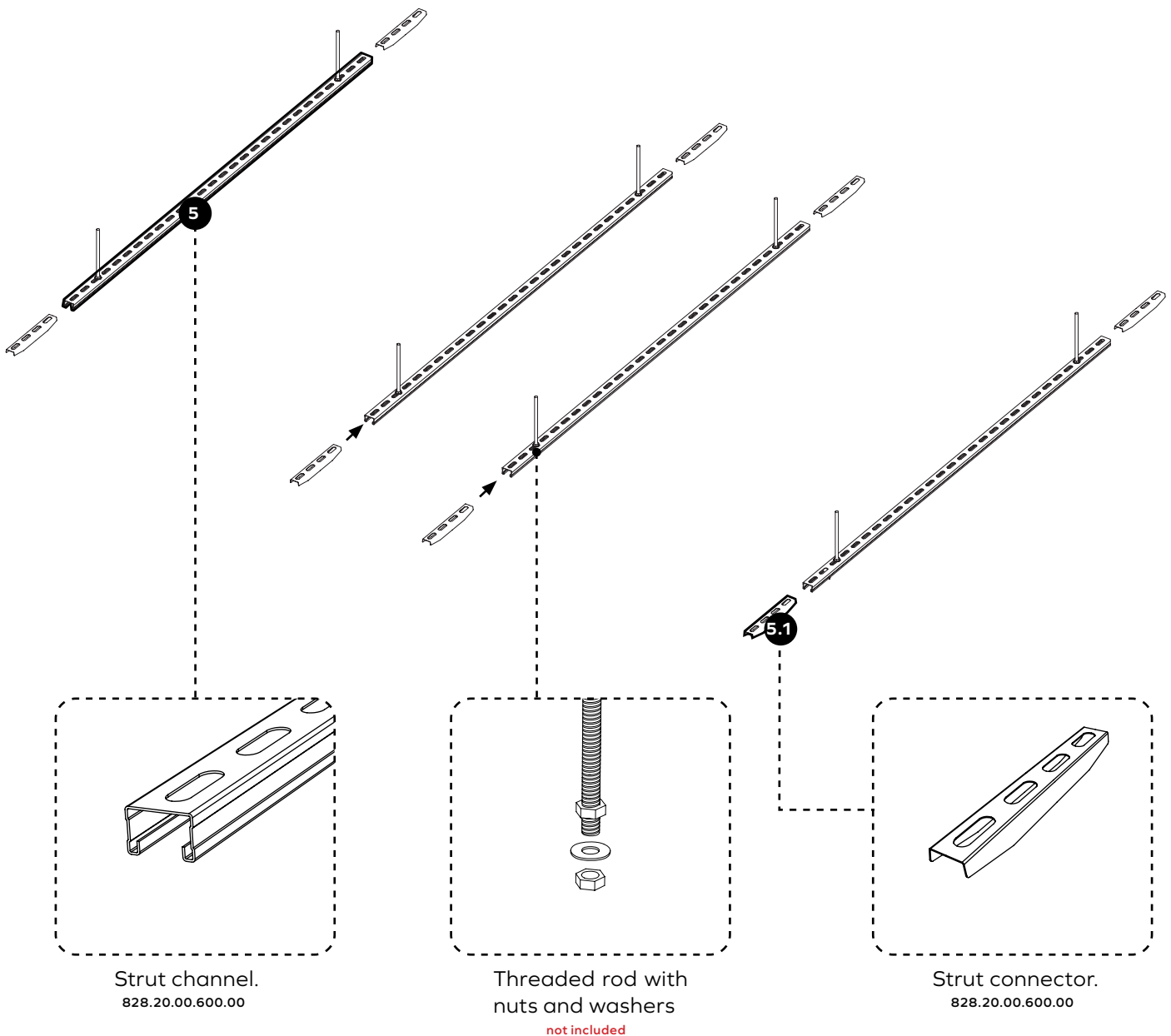
*Exact hold value depends on the ferromagnetic surface texture, thickness and quality and needs to be checked on site.

Balken Volumetric Baffles

Installation using struts and Felt-Fix

1 Install struts to the ceiling.

Measure and attach **strut** channels to the ceiling using preferred installation hardware (**not included**). Threaded rods, wedge anchor or expansion pins could be used in particular cases. Particular solution needs to be selected in accordance to mounting surface and composition of the ceiling. If connecting multiple strut segments in a row is required, use provided **strut connectors**. Struts are supplied in standard 2400mm (94 1/2") length and can be cut on site using steel rotary cutter, angle grinder or similar power tool.



Balken Volumetric Baffles

Installation using struts and Felt-Fix

2 Install the balken using strut channel installation

Assembled Balken can be attached to strut channels but pushing the Fel-Fix elements into the struts as showed on figure 2. Extended step-by-step assembly and installation guide, showing different installation methods is available as separate document and can be downloaded from our website..

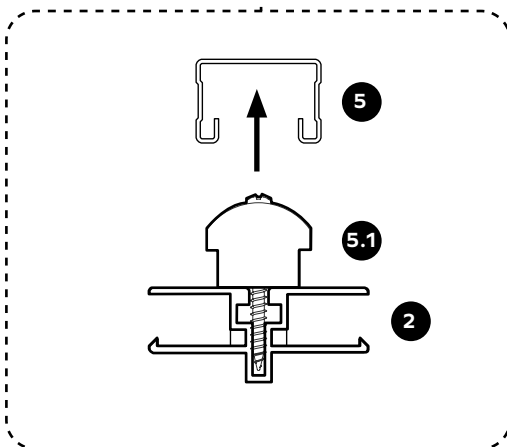
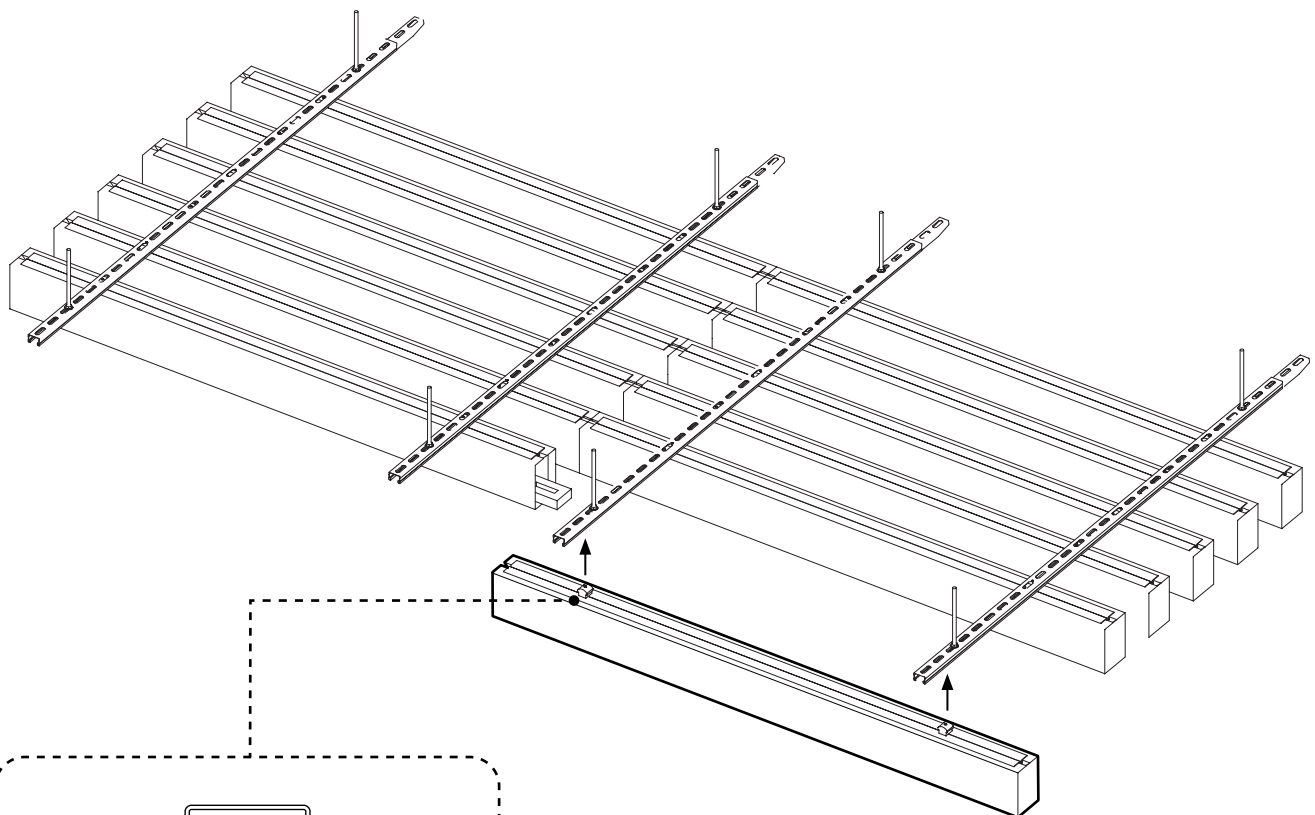


figure 2. Felt-Fix to Strut installation.

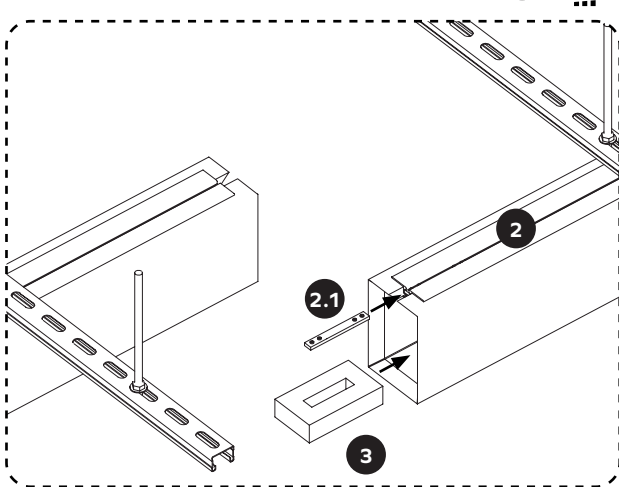
Balken Volumetric Baffles

Connection infinite Balken in a row.

1 Connection infinite Balken in a row.

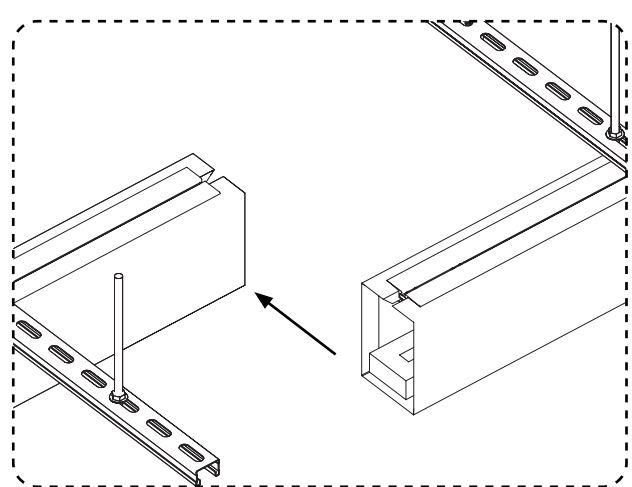
Connecting and aligning multiple Balken element in a infinite run can be done using provided center profile **Mending Plate** (2.1) and Archisonic Felt **Alignment Block** (3). Follow the steps below.

1.1 Insert elements



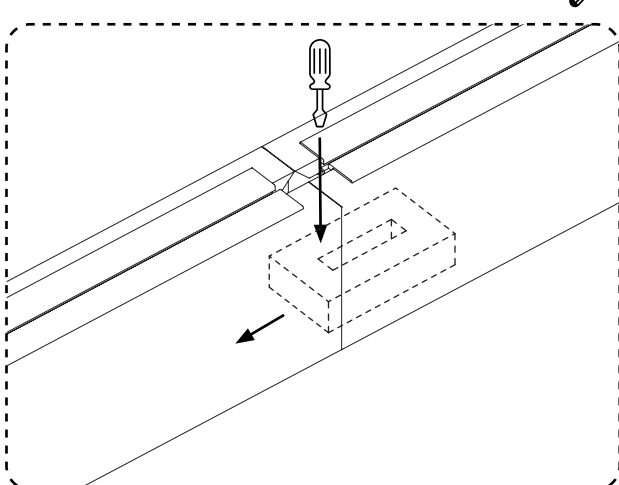
Insert and secure the mending plate (2.1) into the center profile (2). Insert alignment block (5) into the Balken main body. **Make sure** elements are fully inside main body parameter.

1.2



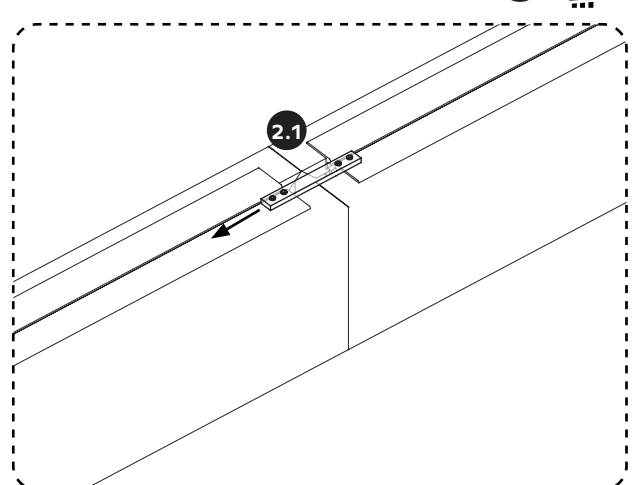
Align consecutive Balken with each other.

1.3 Reposition alignment block



Using a screwdriver or other linear element, reposition the alignment block inside the Balken.

1.4 Reposition mending plate



Reposition and tighten the Mending Plate inside the Center profile in a way that it is connecting consecutive profiles. Use 2mm (7/64") Allen (hex) key.

Balken Volumetric Baffles

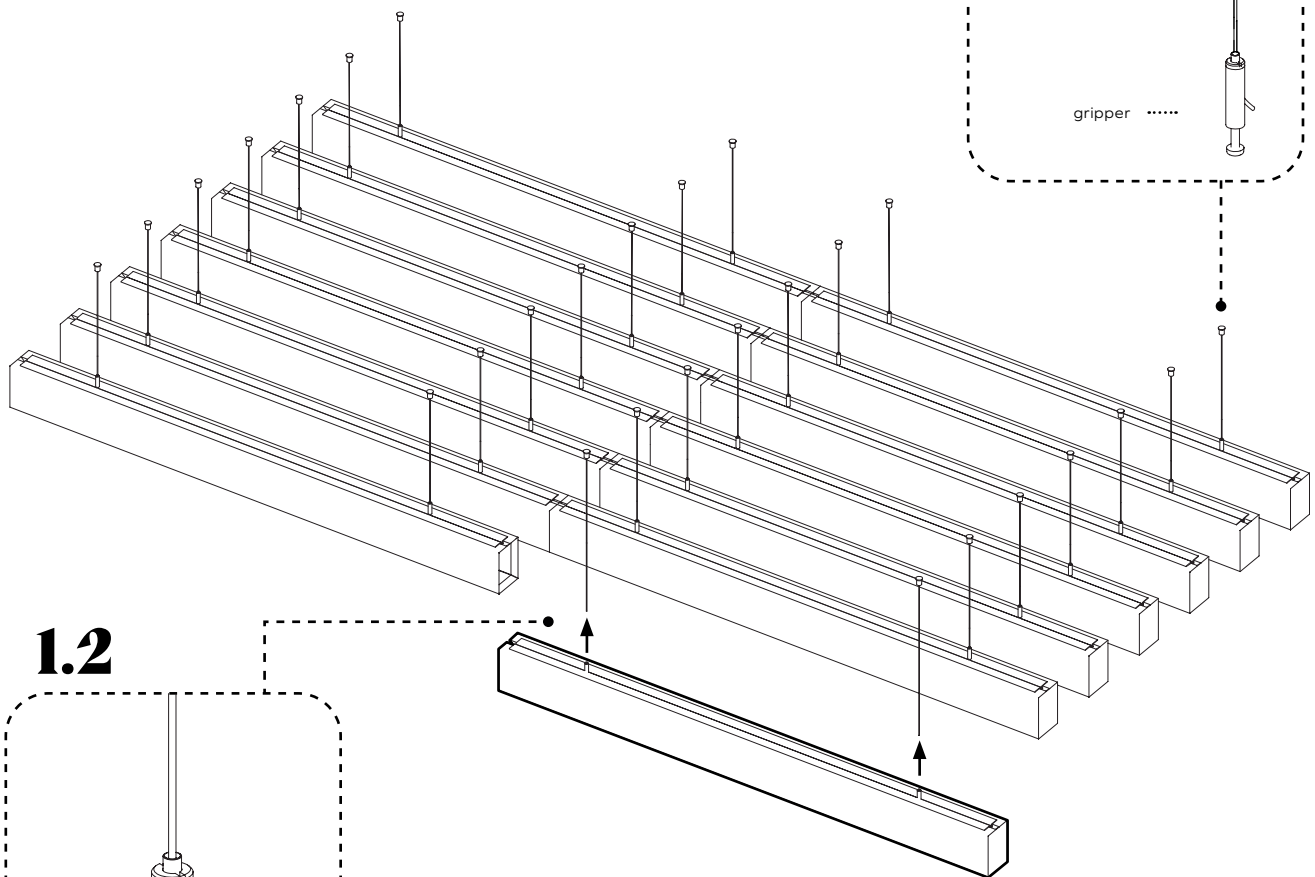
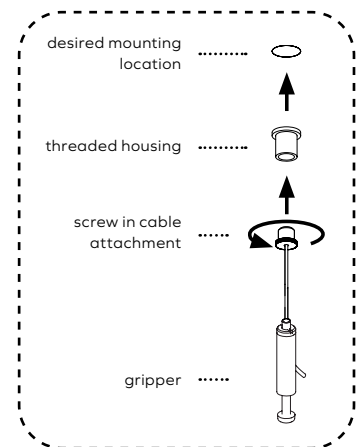
Installation using cable grippers.

1 Install cable grippers *(installation screws not included)*

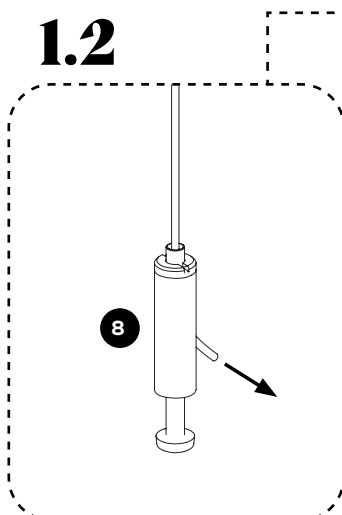
Measure distances and attach cable grippers (8) to the ceiling (fig.1.1) using preferred screws/bolts (not included) Particular solution needs to be selected in accordance to mounting surface and composition of the ceiling. The length of the cable can be adjusted by pulling it through the gripper (fig.1.2)



1.1



1.2



Bespoke Straight Grid Ceiling

Additional Information

Online Resources

A variety of resources are available online for all of our products. Please visit the product's page for more information.



CAD files



Spec sheets and
Installation Guide



Color families



Instruction
videos



Associated
products specs.

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Our experienced team of Project Consultants will guide and support you throughout the order process. We fulfill the majority of our orders in as little as 21 days¹ from your first point of contact, allowing you to focus on what truly matters to you.



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consultant

Quote¹

48h



Order Confirmation

Production¹

14-21 days



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location based



Delivery

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Online form



¹ - Quote and Production times may vary.

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(Switzerland)
(USA)
(Philippines)

connect@impactacoustic.com
usa@impactacoustic.com
philippines@impactacoustic.com

(+41) 41 244 14 00
(+1) 646 918 1581
(+63) 285 80 02 50

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connect@impactacoustic.com | www.impactacoustic.com