

RHIUFB "Fixed" Mounting Bracket for Hard Ceilings or 2x2 Suspended Ceilings

Installation Guide

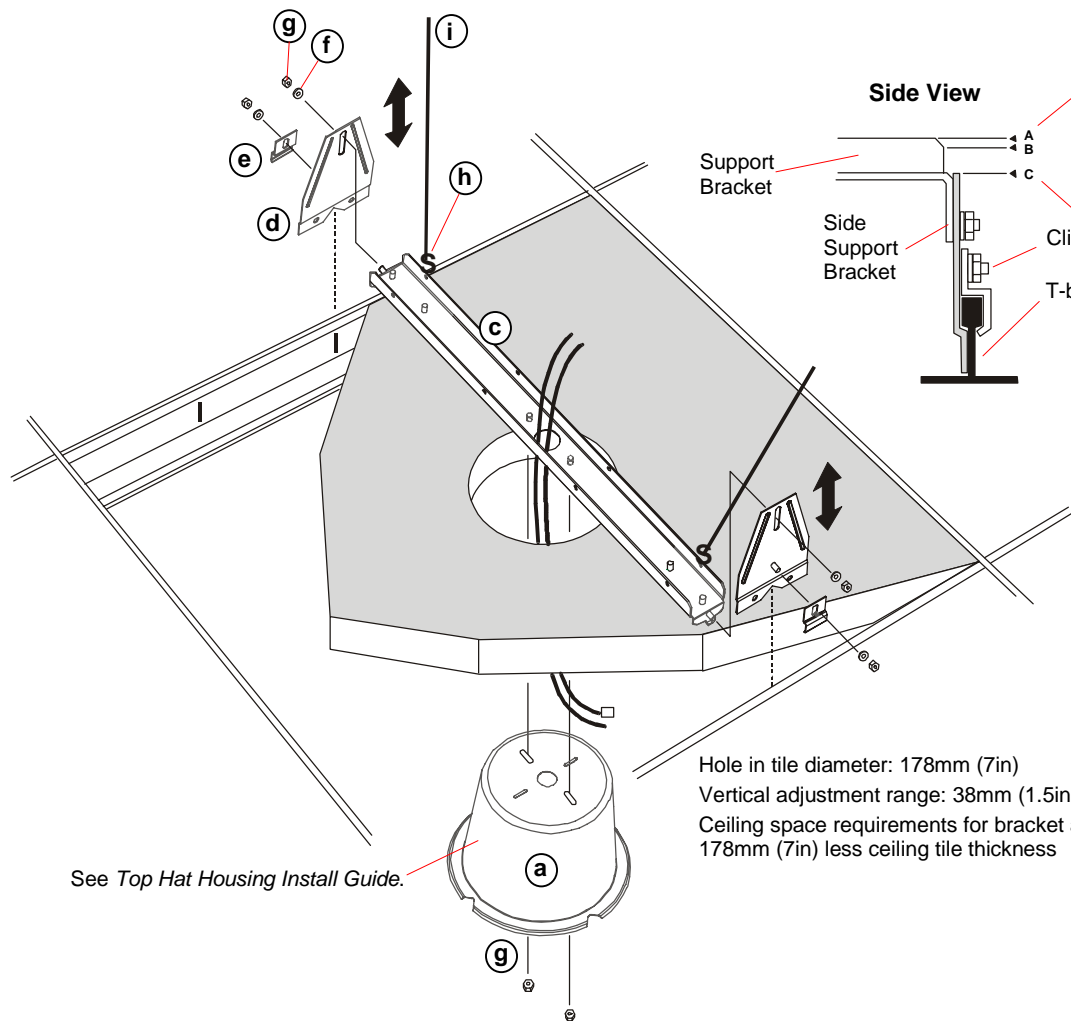
Regulatory Compliance: Safety UL1950

The RHIUFB fixed mounting bracket is used to recess a camera dome in a hard ceiling or 2x2 suspended ceiling. This guide explains how to assemble and install this mounting structure.

Tools Required

- Razor knife
- Phillips head screwdriver
- Ratchet wrench with 12.7cm (5in) extension and 10mm socket.

Fixed Mounting Bracket



See Top Hat Housing Install Guide.

Parts Supplied

RHIUTH Top Hat Housing*

a. Housing, top hat 1 0400-1256-01

* Only part used in this procedure is listed.

RHIUFB Fixed Bracket

b. Template, cutting (not shown) 1 8001-0466-01
 c. Bracket, support 1 0500-7507-01
 d. Side support 2 0500-7509-01
 e. Clip, mounting bracket 2 0500-7465-01
 f. Washer, flat, LOD, M6, SS 6 5842-0500-020
 g. Nut, locking, M6, SS 6 5826-0500-020
 h. S-Hook, open 2 2897-0004
 i. Chain, sash 6ft 2898-000

For the top hat to fit snug against the ceiling, do the following:

Move top of the side support bracket to "A" for 25mm (1in) thick ceilings.

Move top of the side support bracket to "B" for 19mm (3/4in) thick ceilings.

Move top of the side support bracket to "C" to bring the flange of the top hat housing even with the bottom of the side support bracket.

Hole in tile diameter: 178mm (7in)

Vertical adjustment range: 38mm (1.5in)

Ceiling space requirements for bracket assembly:
 178mm (7in) less ceiling tile thickness

Procedure



WARNING! Ensure that the ceiling (particularly sheet rock) can support the dome.

Referring to the figure on reverse:

1. Cut a hole in the ceiling tile or hard ceiling.
Ceiling tile: Remove the ceiling tile in which the top hat housing will be installed. Scribe a 178(±1.5)mm (7in) hole in the center of the tile using template [b]. Cut out the hole.
Hard Ceiling: Use template [b] to scribe a 178(±1.5)mm (7in) hole. Cut out the hole.
2. Loosely attach side support brackets [d] to each end of the support bracket [c] using M6 washers [f] and nuts [g].

Note: If installing the bracket in a suspended ceiling, go to step 7.

Steps 3–6 are for hard ceilings only!

3. Adjust and tighten side support brackets for a snug fit (to avoid vibrations that affect picture quality).
Note: To properly adjust the side support brackets, see “Side View” in the figure.
4. Slip the entire assembly up through the hole and center the feed-thru hole in the support bracket over the hole in the ceiling.
5. Feed cables through the hole in the support bracket.
6. Install the top hat housing (see *Top Hat Housing Install Guide 8000-2573-07*).

Steps 7–15 are for suspended ceilings only!

7. Loosely attach clips [e] to the side support brackets using washers [f] and nuts [g].
8. Center side support brackets against T-bars.
9. To easily center the assembly in the open space, ensure that the V-notch in each side support bracket is directly over the center tab insert notch in the T-bar.
10. Tighten clips to secure the assembly to T-bars.
11. Seat the modified ceiling tile in the opening.
12. Feed cables through the hole in the support bracket.
13. Install the top hat housing (see *Top Hat Housing Install Guide 8000-2573-07*).

14. Lift the ceiling tile adjacent to each end of the bracket assembly and adjust and tighten the side support brackets for a snug fit (to avoid vibrations that affect picture quality).

Note: To properly adjust the side support brackets, see “Side View” in figure.

15. Attach an S-hook [h] to each end of the support bracket.
16. For each S-hook, attach one end of safety chain [i] to the hook and its other end to a strong ceiling member.



WARNING! Keep the chain taut as possible. Close both ends of each S-hook. Do not secure to sprinkler head of fire control system.

Once tightened, the chain should support the ceiling mount, not the ceiling T-bars.

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