

RHIUAB "Adjustable" Mounting Bracket for Suspended Ceilings

Installation Guide

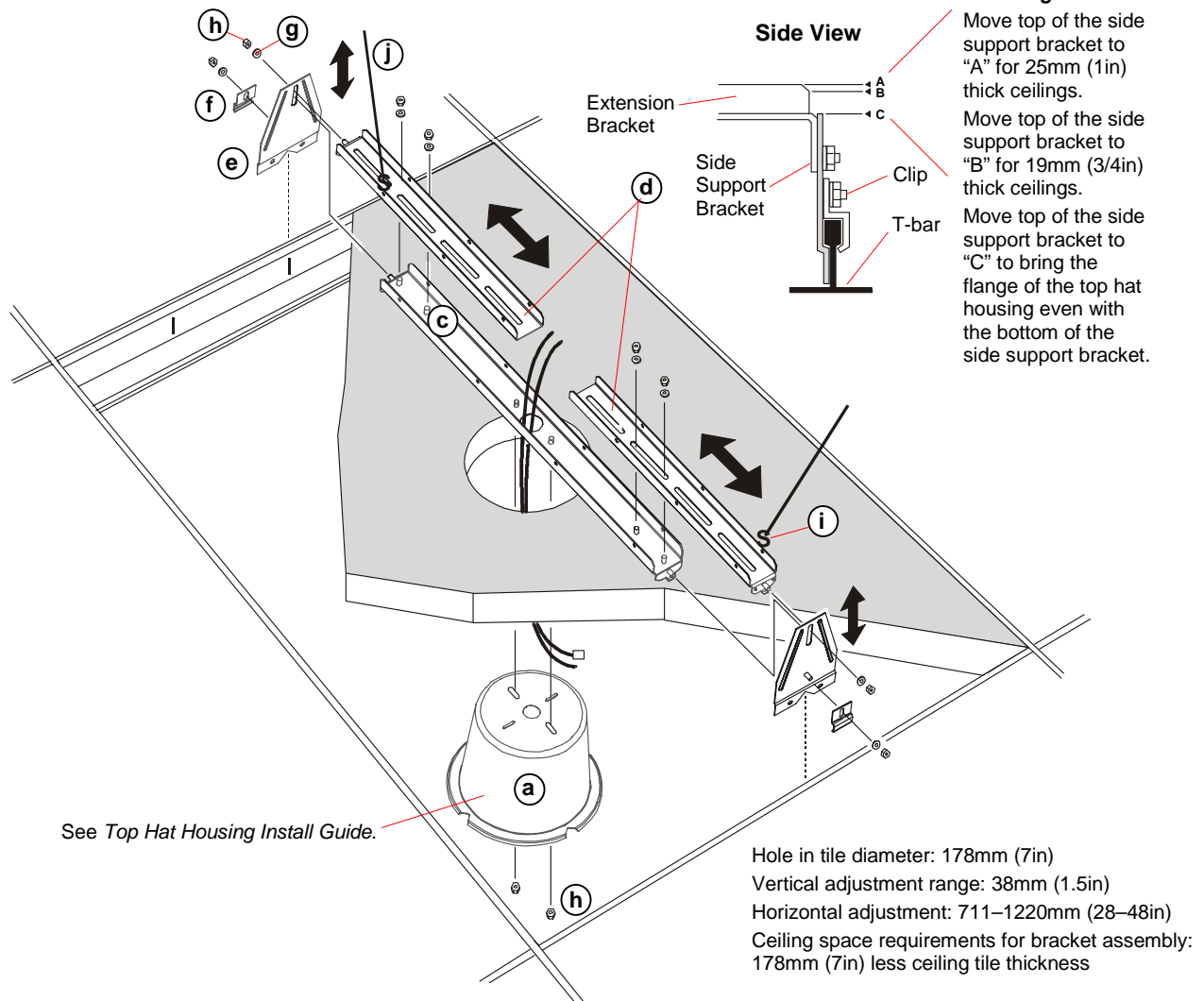
Regulatory Compliance: Safety UL1950

The RHIUFB fixed mounting bracket is used to recess a camera dome in a suspended ceiling greater than 2x2 but no larger than 2x4. 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.

Adjustable Mounting Bracket



Parts Supplied

RHIUTH Top Hat Housing*

a. Housing, top hat	1	0400-1256-01
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* Only part used in this procedure is listed.

RHIUAB Recessed Fixed Bracket Hard Mount

b. Template, cutting (not shown)	1	8001-0466-01
c. Bracket, support	1	0500-7507-01
d. Bracket, extension	2	0500-7508-01
e. Side support	2	0500-7509-01
f. Clip, mounting bracket	2	0500-7465-01
g. Washer, flat, LOD, M6, SS	10	5842-0500-020
h. Nut, locking, M6, SS	10	5826-0500-020
i. S-Hook, open	2	2897-0004
i. Chain, sash	6ft	2898-000

Procedure



WARNING! Ensure that the ceiling can support the dome.

Referring to the figure on reverse:

1. Cut a hole in the ceiling tile or hard ceiling.
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.
2. If the distance from T-bar to T-bar is more than 61cm (2ft), loosely attach extension brackets [d] to support bracket [c] using M6 washers [g] and nuts [h].
The two extension brackets are used to transverse the extra distance, up to 121cm (4ft) maximum.
3. Loosely attach side support brackets [e] to each end of the support bracket or, if used, extension brackets using M6 washers [g] and nuts [h].
4. Loosely attach clips [f] to the side support brackets using washers and nuts supplied.
5. Center side support brackets against T-bars.
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.
6. Tighten the clips to secure the assembly to the T-bars. Also tighten the extension supports to the support bracket.
7. Seat the modified ceiling tile in the opening.
8. Feed cables through the hole in the support bracket.
9. Install the top hat housing (see *Top Hat Housing Install Guide* 8000-2573-07).
10. 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 can affect picture quality), these brackets adjust up or down to accommodate the thickness of most ceiling tiles. To properly adjust the side support brackets, see “Side View” in the figure.
11. Attach an S-hook [i] to each end of the bracket assembly.

12. For each S-hook, attach one end of safety chain [j] 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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