

## Hard Ceiling Mount Bracket

This bracket enables the top hat housing to be recessed in ceilings or ceiling tiles .64–5.08cm (.25–2in.) thick. The following procedure explains how to attach the bracket to the top hat housing assembly and insert the entire assembly into the ceiling.

### Required Tools

Razor knife  
Phillips head screwdriver (power driver)

### Required Parts

01RHIUH Top Hat Housing

Item	Qty	Part No.
a) Housing, top hat	1	0500-7455-01

01RHIUHC Hard Mount Bracket

Item	Qty	Part No.
b) Template, cutting (not shown)	1	8001-0466-01
c) Washer, flat, LOD, M6, SS	2	5842-0500-020
d) Screw, M6 x 55, PHP	2	5801-4161-120
e) Bracket, hard mount	1	0500-7959-01
f) S-Hook, open	2	2897-0004
g) Chain, sash	6ft	2898-0002
h) Clip, T Bar	4	1400-0033-01

### Procedure



#### WARNING!

When installing in a ceiling tile, make sure the ceiling structure can support the dome's weight.

### 1. Using the template [b], cut a 178 (±1.5) mm (7 ±1/16") hole in the ceiling.

*If installing in a ceiling tile:* Place the tile on the floor. Using the template, mark the hole in the center of the tile. Cut the hole and reinsert the tile.

Clamp the ceiling tile to the supporting T-bar frame by snapping T-bar clips [h-not shown] over the tile and the T-bar. Place a clip over each of the tile's four edges, centering the clip along each edge.

### 2. Attach the bracket.

- Place a washer [c] on each screw [d].
- From inside the top hat [a] housing, insert screws through the large slots in the housing and mate them with the threaded holes in the hard mount bracket [e].
- Turn the screws a few turns so the bracket ends just touch the top hat flange [j]. Keep the bracket loose until the assembly is mounted.

### 3. Feed the cable(s) [j] through the large hole in the bracket housing and into the top hat center hole.

### 4. Attach the safety chain.

Attach an S-hook [f] to the mounting bracket. Attach one end of the safety chain [g] to a strong ceiling member. Attach the chain's other end to the S-hook, making the chain length as short as possible to support the assembly just below the ceiling. Then close both ends of the S-hook.



#### WARNING!

Do not secure to any component of a sprinkler or fire control system!

### 5. Mount the assembly to the ceiling.

- Insert the top hat assembly through the ceiling hole. The bracket will compress as it passes through the hole. Once inside, the bracket will spring back to support the assembly.
- Alternately turn each screw clockwise a few turns, until the top hat fits tight against the bracket.



**CAUTION:** Tightening a screw too many turns at one time can cause a bracket end to pop out of position.

