

INSTALLATION GUIDELINES IsoGrid Quick-Connect Ceiling Hanger

□ Preparation

1. Installation of an isolated ceiling system that uses Kinetics Noise Control IsoGrid ceiling hangers requires the following materials (as specified by others and purchased separately):
 - 1-1/2" x 1/2", 16-gauge cold-rolled channel
 - 7/8" 20- to 25-gauge drywall furring channel
 - Appropriate wire (per local code)
 - Anchors for mounting wire into non-isolated ceiling substrate
 - 1/2" or 5/8" thick gypsum board
 - Appropriate tools and equipment for installation

Please note: If shop drawings have been prepared for the installation, review drawings for completeness and accuracy.

□ Installation

2. Mark grid pattern and ceiling hanger position on existing non-isolated ceiling using the following criteria:
 - A. Isolators installed at the perimeter must be located not more than 12" and not less than 3" from the edge of the isolated ceiling.
 - B. Isolators may be located up to 48" along the perimeter of the isolated ceiling.
 - C. Isolators mounted mid-room (i.e., those isolators not at the perimeter) may be located up to 48" on center each way (o.c.e.w.); mid-room isolators should be spaced evenly in each direction.

Please note: Shop drawings, if provided, override general location guidelines provided above.

3. Remove IsoGrid Ceiling Hangers from box. Confirm capacity of each isolator to ensure proper location in grid by observing the small colored dot on the side of the rubber element (See chart below).

IsoGrid	Dot Color	Recommended Layers of Drywall	Maximum Capacity (lbs.)	Deflection Range (in.)
40	White	1	41	.2
105	Green	2	106	.2
160	Red	3	158	.2

If provided, shop drawings will identify location of specific hanger by capacity rating.

4. Determine orientation of cold-roll channel, typically oriented along longest dimension of room (orientation is not important acoustically).

5. Fasten IsoGrid ceiling hanger to a concrete ceiling with a power-actuated fastener such as a Hilti X-DNI general purpose nail with a Hilti R-23 washer or other fastener as allowed by the local building code.

Please note: A Hilti representative can help you select the proper length nail for your specific application by calling 1-800-879-8000.

6. Squeeze legs of the IsoGrid bracket together
7. Tie wire through the holes on both sides of the IsoGrid bracket using appropriate practices for ceiling grid installation.
8. Position the cold-rolled channel at desired height. Prevent contact between cold-rolled channel and partition/wall/column or any other non-isolated structural component. Leave at least a 3/8" gap between cold-rolled channel and the non-isolated structure.
9. Tie free end of wire around cold rolled channel using appropriate practices for ceiling grid installation.
10. Attach drywall furring channel to cold-rolled steel and inter-connect the ends of the furring channel using appropriate practices for ceiling grid installation. Furring channel cannot contact non-isolated structural components. Leave at least a 3/8" gap between cold-rolled channel and the non-isolated structure.
11. After assembling the ceiling grid, check for levelness. Loosen or tighten the wire to adjust the level of the grid.
12. Install CPT ceiling perimeter tape around partitions/walls, columns, and any non-isolated building components to insure a 1/4" wide decoupling gap between the isolated ceiling and the non-isolated structure. CPT should be installed from approximately 7/8" below the bottom of the hat channel to the top of the cold-rolled channel.
13. Install the gypsum board using accepted practices for attaching to the grid system. Be certain to maintain a 1/4" gap between non-isolated structural components and the isolated ceiling to ensure that the gypsum board does not contact any non-isolated structural components. Do not allow the CPT to become compressed against the non-isolated structure.
14. Trim CPT as required and caulk gap using a resilient, non-hardening caulk.

Disclaimer

These suggested installation guidelines represent generally accepted procedures for successful installation of Kinetics Noise Control IsoGrid Quick Connect Ceiling Hanger for ceiling system isolation. These suggestions may be followed, modified, or rejected by the owner, engineer, contractor, and/or their respective representative(s) since they, not Kinetics Noise Control, are responsible for planning and executing procedures appropriate to a specific application. Kinetics Noise Control reserves the right to alter these suggestions and encourages contact with the factory or its representatives to review any possible modification to these suggested guidelines prior to commencing installation.