

# Installation Instructions

## Seismic Frame™ Two-Post Rack Concrete Floor Anchor Kit

### Safety Information



**WARNING:** To reduce the risk of personal injury or damage to equipment, the rack must be anchored to the concrete floor. Two or more racks can be bayed to enhance stability, but each rack must be anchored to the floor.



**WARNING:** Improper use of this product may lead to serious injury or death. Read and understand all instructions for proper installation and use of this product.



**WARNING:** Consult with local licensed structural professional engineer for meeting code.



**WARNING:** Do not load equipment into the rack prior to it being anchored to the floor, as it could tip over.

One common installation is to space 6-1/2" (165 mm) apart when anchored to the concrete slab on grade or 10-1/2" (267 mm) apart when anchored to concrete over steel decking above grade with recommended hardware to allow proper spacing between anchors. Each rack must be secured to the structural floor.

### Tools Required

19mm drive torque wrench, 10 ft-lb to 100 ft-lb  
18mm concrete drill bit (Hilti part number TE-C 18/22 or equivalent)  
Hammer Drill  
Hammer  
Marker  
Level (minimum 24 inches long)

### Intended Use

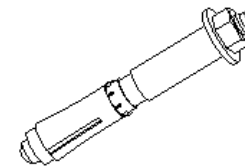
Anchors are approved for use in the concrete tension zone of concrete structures where cracking can be expected. The anchors are manufactured by Hilti and approved by ICC. The report number is ESR-1545. The Hilti HSL-3 Metric Heavy Duty Anchor is used to resist static, wind, and seismic tension and shear loads in cracked and uncracked normal-weight and structural lightweight concrete having a specified compressive minimum strength 2,000 psi.

### Included Hardware

4 each  
M12 Hilti Anchors (**HSL-3-G** Metric Heavy Duty Anchors, Hilti P/N 371799)

### Installation Notes

- Allow only qualified service personnel to install this anchor.
- When bayed in a continuous row, the spacing between racks should be determined by a licensed structural engineer familiar with seismic applications and code in the area. Each installation requirement varies depending on various factors such as site class, building construction, and many other conditions.



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Assembly Sequence

1. Mark the location of the mounting holes using the rack or the Seismic Frame™ Two-Post Rack Floor Drilling Template (CPI P/N 13703-701) as a guide. Each rack must be secured with four anchors; one anchor per corner.

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