



KINETICS® QuietRail™

STRUCTURAL FRAME BASE

Features

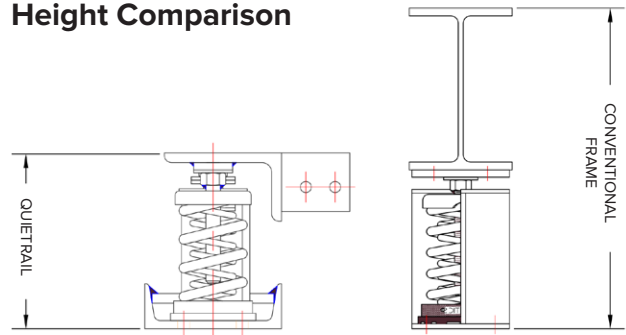
- 1", 2", and 4" deflection
- Low Profile with integrated restraint and isolation system
- Knock down construction for minimal field assembly
- Structural Steel – Hot Dip Galvanized
- Springs – Polyester Powder Coat
- Hardware – Zinc Plated
- Engineered to meet the latest building codes
- Reduced installation and maintenance costs

Application

Kinetics QuietRail bases are specifically designed and engineered to support cooling towers and chillers requiring a supplemental mounting frame.

QuietRail bases are designed to provide a wind and seismic rated vibration isolation frame without the need for additional equipment support steel. The bases provide a means by which the equipment can be stabilized and motion reduced by lowering the equipment center of gravity.

Height Comparison



Description

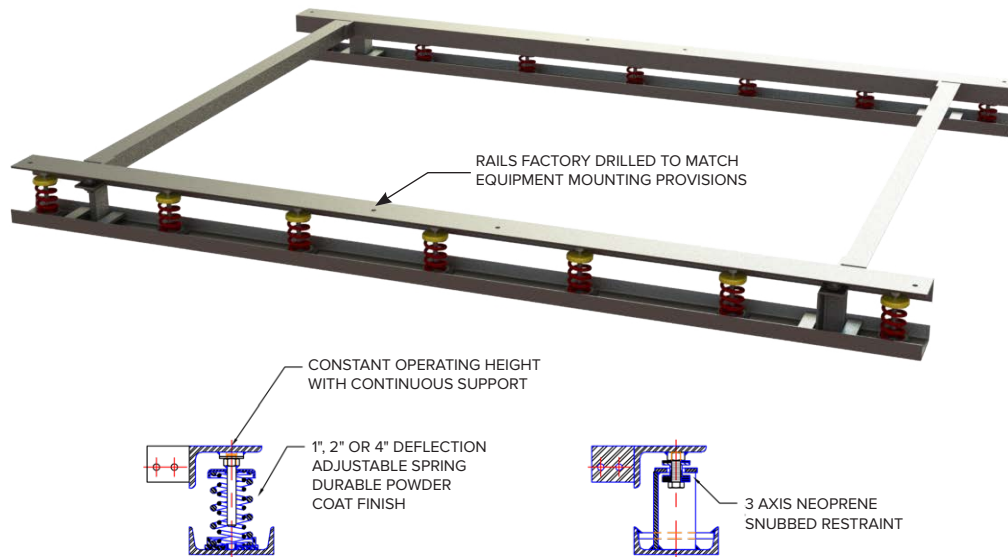
Kinetics QuietRail welded structural frame bases are individually engineered to support and add rigidity to a specific piece of mechanical equipment and to allow the use of vibration isolation. The bases are fabricated with channels and angles, and are complete with seismic and wind restraint built in. Main steel members have section depths of 3" to 12" (76 mm to 305 mm), designed to be a minimum of 10% of the longest span between isolators.

Specifications

Frame shall be an integrated low profile isolation and restraint rail system. Support rails shall be structural channel and angle sections with two (2) minimum all directional restraints per rail and factory located adjustable springs as required for dead loads. Support rails shall be cross braced at all restraint locations with structural angle sections to provide a rigid, distortion-free common frame to support and anchor separate equipment components or driven members. Support rails shall be factory drilled to match equipment mounting provisions, have pre-located and drilled bolt/anchor holes or brackets at each restraint location, and shall be designed and supplied by the isolation materials manufacturer.

Nominal deflection shall be 1", 2" or 4", as specified for the project. Vibration isolators shall be free standing, laterally stable springs wound from high strength spring steel. Springs shall have a lateral stiffness greater than 0.8 times the rated vertical stiffness under rated load and deflection. Springs shall be designed to provide up to 50% overload capacity. Springs shall be supported either with a neoprene cup or a metal base plate complete with a ribbed neoprene pad, minimum 6 mm (0.25") thick, bonded to the base plate. Springs shall be selected to provide operating static deflections as required. Springs shall be color coded or otherwise identified to indicate load capacity. Springs shall be replaceable.

Bases shall be Model QuietRail™ as manufactured by Kinetics Noise Control, Inc.



kineticsnoise.com
sales@kineticsnoise.com
1-800-959-1229