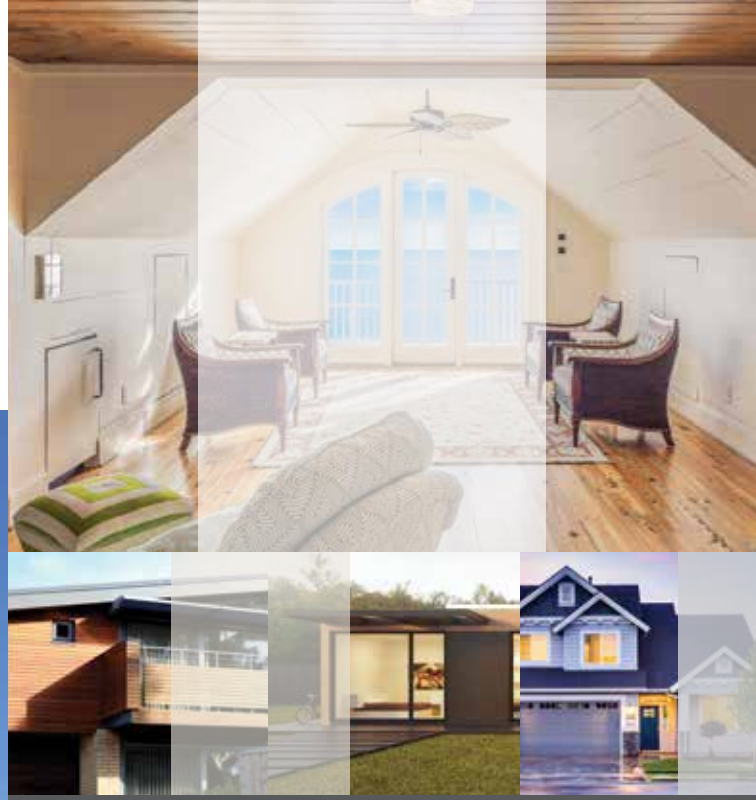
ABI PIERS

The adjustable base isolation foundation system for lightweight buildings

During severe earthquakes, the ABI Pier system provides a level of protection to buildings, occupants and its contents.

ABI Piers can be easily height adjusted and relevelled post earthquake. The ABI Pier system has been appraised by BRANZ Appraisal No. 952 (2017) as compliant with the NZ building code.

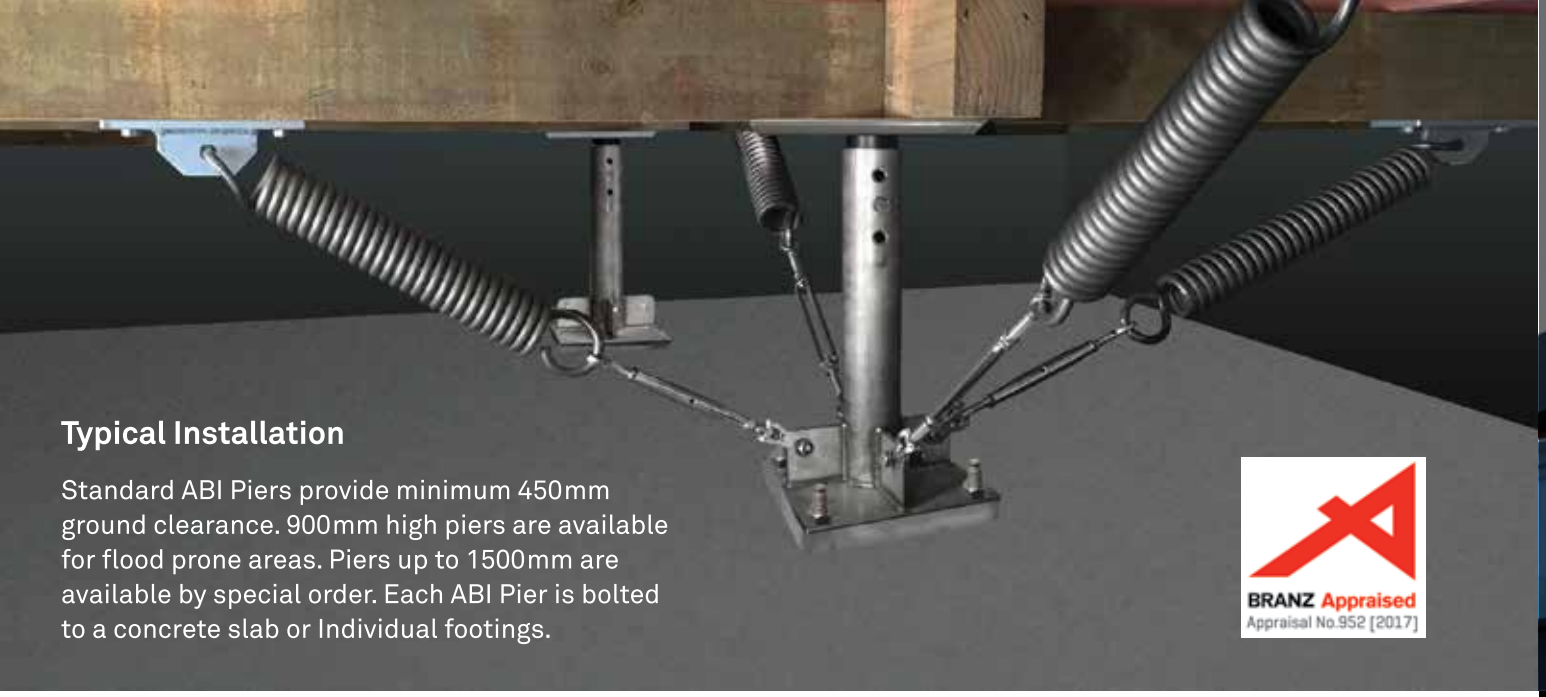


Unique quality product

The ABI Pier system is designed to replace quake-damaged foundations under typical NZ houses having timber bearers, joists and floors, and for installation on all soil types found in liquefaction prone Christchurch, NZ.

The system can be installed under new-builds, and will work equally well (or better) under modern cross laminated timber (CLT) floors.

Subject to specific Engineering design and soil type, the ABI Pier system will be installed on either a continuous concrete under-slab, or on individual concrete footings.

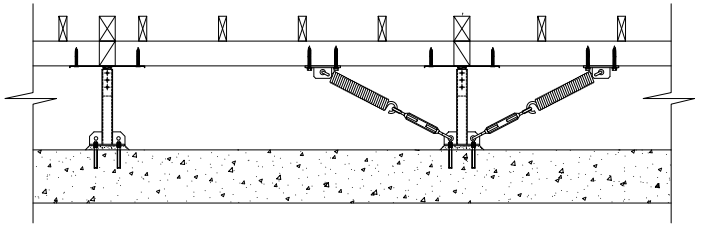


Typical Installation

Standard ABI Piers provide minimum 450mm ground clearance. 900mm high piers are available for flood prone areas. Piers up to 1500mm are available by special order. Each ABI Pier is bolted to a concrete slab or Individual footings.

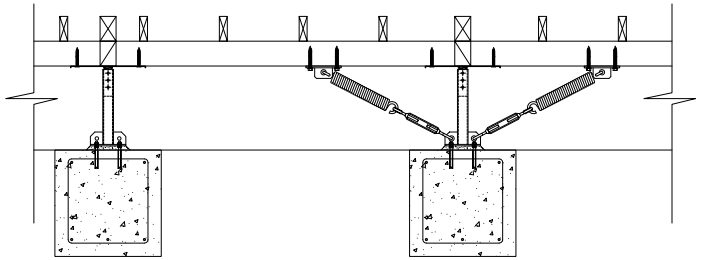
BRANZ Appraised
Appraisal No.952 [2017]

The plastic plug at the top of each pier bears on the underside of a steel pan securely screwed to the underside of the building's sub-frame. In a quake, the plug moves around on the surface of the pan. The plastic plug in the top of each pier is height adjustable in 3 positions from 20mm to 95mm.



The ABI Pier System on a concrete under-slab ABI PIERS

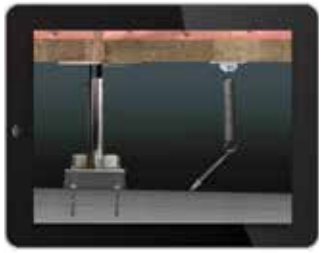
Approximately 1/3 of the ABI Piers installed under a building are connected directly to the building's sub-frame with adjustable spring assemblies. During earthquakes, these spring assemblies work together to keep the steel pans centralised over the piers.



The ABI Pier System on individual footings ABI PIERS

If the ABI Pier supported building slumps during an earthquake, the building can be easily relevelled. Jack up the building, adjust the nuts at the pier's base plate and the height of the plastic plug at the top of the piers, and re-tension the spring assemblies.

To watch a video of the ABI Pier system in action, please visit our website: **www.abipiers.com**



Contact

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ABI PIERS