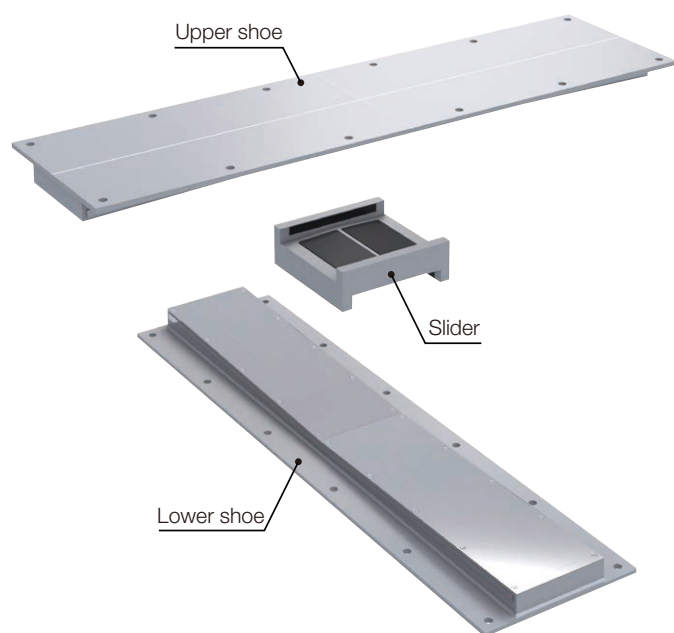


Slide Bearing with damping and restoration capabilities



■ Features

In the event of an earthquake, the slider slides on the sliding surfaces of the upper and lower shoes, absorbing seismic energy and then returning to its original position (initial position) after the earthquake subsides.

Because the bearing itself does not have its own specific cycle, it does not resonate with all types of vibration.

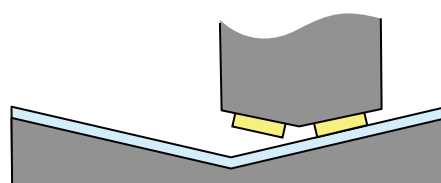
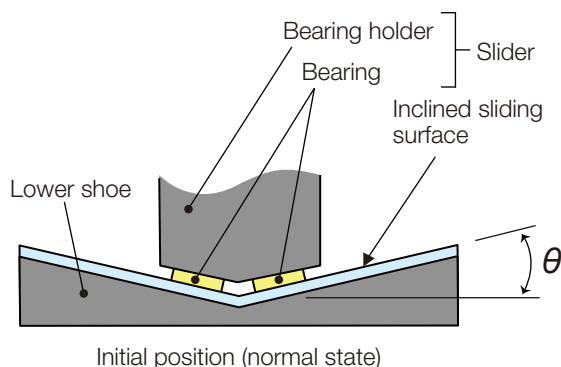
Even if a structure has uneven weight balance, this bearing makes it difficult to distort the structure.

This product enables seismic isolation even for lightweight facilities (as light as only several tons).

■ Product lineup

Bearing model	Coefficient of friction	Variations in coefficient of friction	Angle of inclination θ	Vertical support load kN
FSB-E	0.011	±40%	1.5°	1000 max.
FSB-F	0.065	±35%		400 max.
FSB-G	0.11	±30%		200 max.

Note:
We design this bearing individually according to the vertical support load and displacement magnitude. Please contact us for more information.



Slider activated (in the event of earthquake)

Application examples

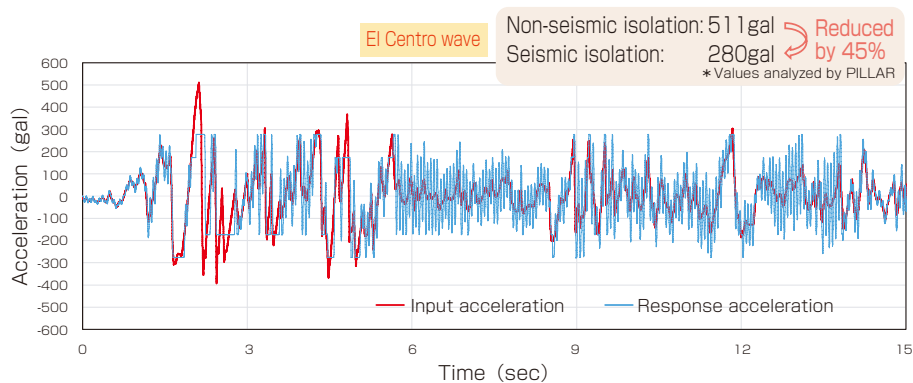
Based on the analysis results of response to seismic waves used for design and investigation purposes, we selected seismic isolation equipment to be used and achieved seismic isolation for existing facilities.

Application examples 1 Seismic isolation for cubicle-type high-voltage power receiving equipment



* The lower structure was raised to allow for easy observation of the bearings.

Location	Coefficient of friction	Design load	Design limit displacement	Angle of inclination	Number of units
Sanda City, Hyogo Prefecture	0.27	40 kN per unit	±300mm	3.0°	4 units



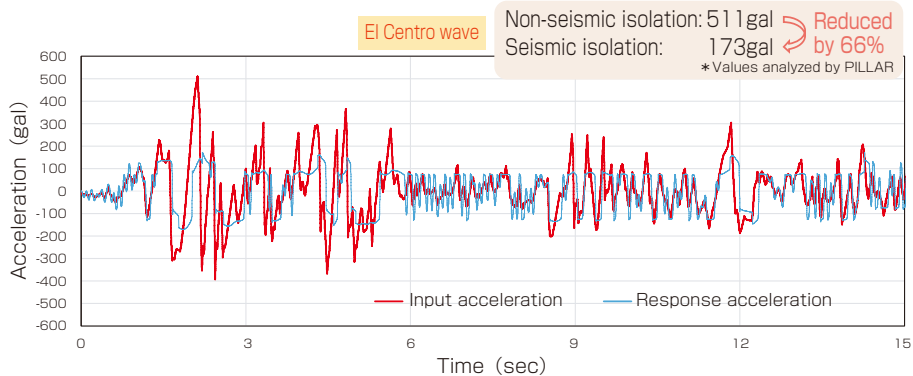
Application examples 2 Seismic isolation for office computer servers



* The flooring surrounding the server location was removed to allow for easy observation of the bearings.

Location	Coefficient of friction	Design load	Design limit displacement	Angle of inclination	Number of units
Osaka City, Osaka Prefecture	0.11	10 kN per unit	±350mm	1.5°	4 units

* Oil dampers (one unit each in the x- and y-directions) are used together with the bearings



Other application examples

- Seismic isolation for automated warehouse racking system
- Seismic isolation for cleanroom floors

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Safety precaution

- When using this product, please use correctly and pay sufficient attention to safety.

* Please understand that this catalog may change without prior notice.
* The values shown on this catalog are reference values, not guaranteed values.