



SRNZ

Seismic Restraints NZ



Earthquake • Safety • Fastening • Products

www.seismicrestraints.co.nz

Seismic Restraints -A complete package

Since Seismic Restraints NZ's conception in 2001 we have become NZ's leader in Seismic Restraint of building contents.

Our organisation gives clients a complete earthquake-resilience package – from initial audit through to installation. Whatever the size of your business, we have the

Products

Seismic Restraints NZ is NZ's exclusive distributor of Q-Safety Products. We stock an extensive range of products for specific applications to cover common at risk products that are important for continuity and safety for the home, office, industry, laboratory and educational facilities.



Earthquake Audits

This process helps you understand the risks to business in the event of an earthquake. All our reports are based on the NZS 4104 – Seismic Restraint of Building Contents. From large offices and factories to early childhood education, we can give you a complete earthquake audit.

Design

This specialist service is offered in association with our strategic partners. We analyse your facilities and equipment, then design a unique, tailored earthquake-resilience solution. Seismic Restraints NZ Ltd is continually developing new bracing systems built on practical experience.



Installation

Our professional team have experience dealing with all types of installation jobs. From cabinets to heavy plant and equipment to securing computer monitors, we have the skills and flexibility to install restraints with the minimum of fuss and disruption.



Earthquake Safety

We have helped a wide range of organisations, from specialist industries, government departments, medical laboratories to libraries and kindergartens prepare for an earthquake. Seismic Restraints NZ Ltd has become NZ's most comprehensive entity in practical earthquake mitigation.

Please feel free to contact us on 0800 723 323 for all your earthquake mitigation requirements.

What is desktop fastening?

Desktop fastening is the process of securing equipment to a desktop to prevent injury to the operator in the event of an earthquake.

What kind of adhesives are used?

Two different adhesive tapes are used - one from VELCRO USA, the other from 3M Inc. Both adhesives are acrylic based. They do not harden or crystallize and can be removed by peeling them away from the desktop and equipment.

Are the fasteners difficult to install?

No. Both the VELCRO brand hook and loop fastener and the 3M VHB foam adhesive based fasteners have a release paper covering the adhesive. Complete instructions are included in each kit.

How do I temporarily remove the equipment?

When using VELCRO hook and loop fasteners, simply peel the loop away from the hook and remove the equipment. After replacing the equipment, reapply the fastener by embedding the loop into the hook.

When using 3M adhesive fasteners, disengage the strap from the buckle to remove the equipment. After replacing the equipment, put the strap through the buckle and press into locked position.

Why can't I use Quake Tape on computers and electronic equipment?

Most electronic items have four feet for balance and air circulation. The thickness of the Quake Tape is 1/8". Most feet are 1/4" to 1/2" high. The thickness of the fastener must be greater than the height of the feet.

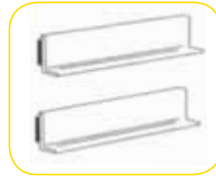
StrapTRAC™

This fastening system was designed for heavy countertop equipment used in laboratories. It is not uncommon for such lab equipment to weigh up to 70 kg. Equipment such as centrifuges have heavy spinning masses inside that can go out of control during an earthquake, posing a potential physical and biological threat to personnel.

The StrapTRAC line was designed to meet the rigid standards for lab fastening on items weighing over 25 kg.

StrapTRAC is designed to keep equipment from falling off counters during seismic shaking. If there is a wall or backplash behind the item to be fastened, use one kit of StrapTRAC, as shown in Picture A. If there is no wall or backplash, use two kits of StrapTRAC installed in a crisscross pattern, as shown in Picture B. This will help restrain the equipment in both forward and backward motion.

Stainless Steel Braces™



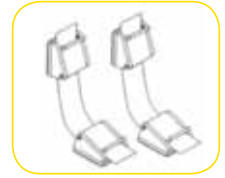
Each Kit Contains:

2 (20cm x 4.5cmH) stainless steel braces with VELCRO
2 surface prep pads
Instructions

Use one kit to secure a keyboard cabinet, as shown above. This is a very strong fastener as it wedges the item between the two steel braces with industrial VELCRO. This support is critical for keyboard cabinets as they often hold a CPU and a monitor.

2110 Stainless Steel Braces Silver \$32.50 ex gst

VersaBUCKLE™ - Computer Equipment , 50 lbs.



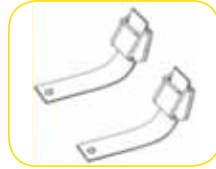
Each Kit Contains:

4 buckles with 3M adhesive
2 (20cm) Quake Straps™
2 surface prep pads
Instructions

Shown above is a VersaBUCKLE securing a CPU using the Two-Paint Fastening System.

4000 VersaBUCKLE Gray \$18.00 ex gst
4021 VersaBUCKLE Grape \$18.00 ex gst

GrommetGRIP™



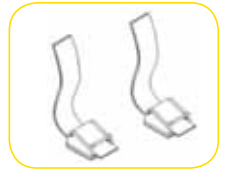
Each Kit Contains:

2 buckles with 3M adhesive
2 (50cm) straps
2 furniture screws
2 washes
2 surface prep pads
Instructions

GrommetGRIP is used to secure a CPU to the underside of a desk by screwing the strap ends into the desk beneath. Straps are crisscrossed for additional stability.

4030 GrommetGRIP Gray \$20.00
4031 GrommetGRIP Black \$20.00
4032 GrommetGRIP Grape \$20.00

ContourGRIP™ - Computer Equipment < 50 lbs.



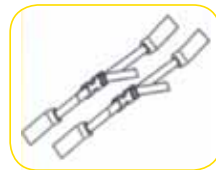
Each Kit Contains:

2 buckles with 3M adhesive
2 (28cm) straps with VELCRO
2 surface prep pads
Instructions

ContourGRIP combines VersaBUCKLE and VELCRO to create a fastener that conforms to any contoured surface such as the iMac and many other contoured computers. To compliment iMac's vibrant colours, Grape is now available in addition to our gray and black colours.

4151 ContourGRIP Gray \$18.00 ex gst
4152 ContourGRIP Black \$18.00 ex gst
4153 ContourGRIP Grape \$18.00 ex gst

StrapTRAC™ 70kg



Each Kit Contains:

2 (53cm) straps using 2 steel plates with 3M adhesive
2 steel buckles
2 surfaceprep pads
Instructions

Picture A

Shown using 1 kit (2 fasteners) 1 fastener attached to each side

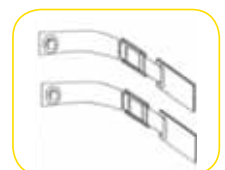


Picture B

Shown using 2 kits (4 fasteners)
2 fasteners attached to each side in a crisscross pattern

4220 StrapTRAC Gray \$60.00 ex gst
4310 StrapTRAC Black \$60.00 ex gst
4311 StrapTRAC Grape \$60.00 ex gst

StrapTRAC™ Wall 70kg



Each Kit Contains:

2 (122cm) straps using a steel plate with 3M adhesive and steel buckle
2 wood stud screws
2 washers
2 surface prep pads
Instructions

Copiers and other large equipment create potential hazards during an earthquake. The StrapTRAC Wall fastener was designed to restrain such equipment as well as provide easy mobility for servicing. To each side of the equipment, one end of the fastener is attached with a steel plate using 3M adhesive. The other end is screwed into a wall stud. Between the two is a steel buckle for easy removal. The strap can be adjusted so the equipment can be as far away as 120cm from the wall.

4221 StrapTRAC Wall Gray \$50.00 ex gst
4314 StrapTRAC Wall Black \$50.00 ex gst

It's smart to strap your hot water heater, it's also the law.

Your hot water heater needs to be secured for several reasons.

- Water heaters are a good source of drinking water after an earthquake if water service is disrupted.

The Spacemaker® Hot Water Heater is patented and approved by the City of Los Angeles and the Division of the State (California) Architect.

Cylinder Movement has the potential to break pipework causing water damage etc..

This two-strap system comes with complete installation instructions in both English and Spanish.

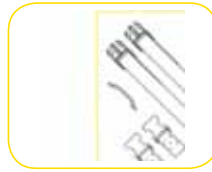
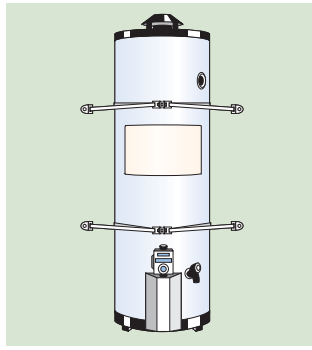
Why do we use straps for securing furniture items instead of steel brackets?

When a piece of furniture is secured to the wall with a steel bracket, solid contact is made between the wall and the furniture. When the wall shakes, the shaking is transferred to the furniture via the steel bracket. This transference does not take place by making this connection with a strap. The strap allows the furniture to have independent movement.

Extra-Heavy Furniture

Screw one 1/4" (minimum) diameter eye screw into a stud and another one into the furniture frame. Connect the two with a 1/4" (minimum) diameter quick link, available at most hardware stores. Do this in at least two locations on the furniture and in as many other locations as necessary to make it secure.

Spacemaker® Hot Water Heater Kit



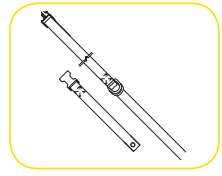
Each Kit Contains:

- 2 metal straps
- brackets
- hardware
- Instructions

To secure hot water heaters up to 80 gallons, use #4229. For hot water heaters up to 120 gallons, use #4309.

4309 Spacemaker E-25-80 Metal \$18.00 ex gst

Cart-to-Wall Strap™



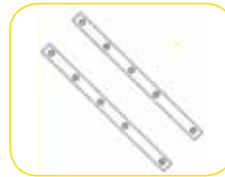
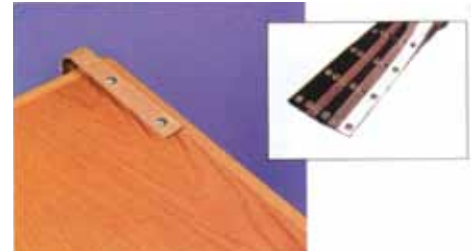
Each Kit Contains:

- 1 (35cm) strap with 2 D-rings
- 1 (25cm) strap with quick-disconnect buckle
- 1 wood stud screw
- 1 washer

There are many items in the office and home that need to be attached to a wall and are also required to be removed from time to time. The Cart-to-Wall Strap was designed for this purpose. One end secures to a leg or post with a D-ring cinch strap. The other end is screwed into a wall stud. Between the two is a quick-disconnect buckle. The strap slack can be adjusted from 25-61cm Use on TV carts, audio/visual carts, medical carts, baker racks, tubular items, or any item on wheels.

4641 Cart - to - Wall Strap Gray \$20.00 ex gst
4772 Cart - to - Wall Strap Black \$20.00 ex gst

Q-Furniture Straps™



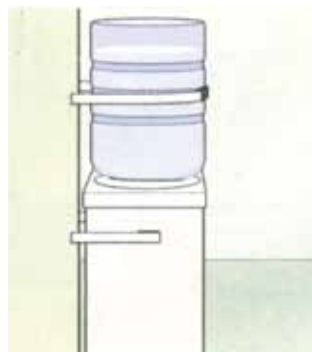
Each Kit Contains:

- 2 (38cm) straps
- 2 wood stud screws, 4 furniture screws
- 2 stove bolts, 2 nuts, 6 flat washers,
- 2 lock washers
- Instructions

Fastening tall furniture is vital to safety in the home and office. Q-Furniture Straps are extremely strong and easy to use. One end is screwed into a wall stud; the other is fastened to the top of the furniture with provided screws or bolts and nuts. These fasteners are designed to be used on furniture where the top is above eye level. These straps will fasten furniture that is within 8" from the wall. For below-eye-level furniture, use the out-of-Sight furniture Strap, shown below. Use more than one kit on heavy furniture.

5799 Q-Furniture Straps Gray \$22.60 ex gst
5800 Q-Furniture Straps Beige \$22.60 ex gst
5801 Q-Furniture Straps Brown \$22.60 ex gst
5802 Q-Furniture Straps Oak \$22.60 ex gst
5803 Q-Furniture Straps White \$22.60 ex gst
5804 Q-Furniture Straps Black \$22.60 ex gst

Water Cooler Kit



Each Kit Contains:

- 2 bottle straps w/buckle
- 2 cooler straps w/VELCRO
- 2 surface prep pads
- Instructions/hardware

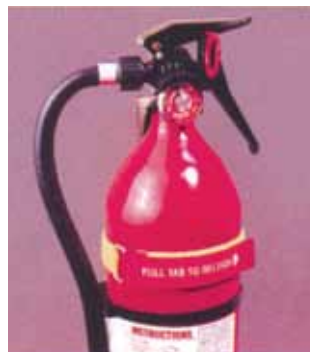
Each 5601 Kit Contains:

- 2 cooler straps w/VELCRO
- 2 surface prep pads
- Instructions/hardware

Bottled water is a very valuable commodity for survival after a major earthquake. The Northridge Earthquake proved how water mains can break, making drinking water scarce. Additionally, spilled water poses a slip-and-fall danger during emergency evacuation. The water cooler kit comes complete with all necessary parts to secure the cooler as well as the bottle to the wall. The bottle strap has a buckle for easy bottle changing.

5600 Water Cooler Kit Gray \$40.00 ex gst
5601 Water Cooler Kit (base only) Gray \$20.00 ex gst

Fire Extinguisher Strap



Each Kit Contains:

- 1 fire extinguisher strap
- 1 wool stud screw
- 1 washer
- Instructions

Fire extinguishers can jump from their support brackets during an earthquake. This unique strap will help keep the extinguisher attached to the support bracket. The strap features a red VELCRO brand hook release tab and is clearly marked PULL TAB TO RELEASE.

5330 Fire Ext. Strap 3" dia. Red/Yellow \$16.00 ex gst
5320 Fire Ext. Strap 5" dia. Red/Yellow \$17.00 ex gst
5340 Fire Ext. Strap 7" dia. Red/Yellow \$18.00 ex gst

FileSTRAP™

File cabinets have long topped the list of office items that need to be fastened to prevent injury and damage during an earthquake. This was illustrated during the June 29, 1991, 6.0 Sierra Madre Earthquake. The Los Angeles Times reported that a Glendale, California bank employee was injured by a falling file cabinet in what Dr. Lucy Jones of the U.S. Geological Survey referred to as "...a real puny earthquake".

One drawer shaking open during even a mild earthquake can cause the cabinet to fall over.

Earthquakes are not only the cause of file cabinets tipping over. It is human nature to fill the top two drawers to capacity and place smaller volumes of files in the lower drawers. This makes the typical file cabinet top-heavy and can often cause tipping by just opening the top drawers at the same time.

FileSTRAP has a simple design. Industrial VELCRO brand hook and loop fastener is used. It is rated by Velcro USA to have a holding power of 10kg per square inch in the shear mode. Each FileSTRAP uses 12 square inches of industrial VELCRO hook and loop. This gives each FileSTRAP a rated shear holding power of 120 kg

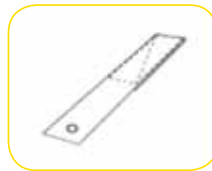
How to find a Stud

There are several ways to find a stud. One is with a stud finder. Stud finders can be purchased at most hardware stores for about \$20. They are battery powered and usually have instructions printed on the back of the unit.

After finding the first stud, measure 60cm on either side of it. Check to see if the stud finder confirms the presence of a stud in this location.

Another way to locate a stud is with a hammer and small diameter nail. The nail should be about 40-60cm long. If you are trying to locate studs behind a piece of furniture, this method is practical. Nail into the wall at 25 mm increments in a horizontal row until you hit a stud. You will know when you have hit a stud as there will be constant pressure on the nail as you hit it. Where there is no stud, the nail will have no pressure once you go beyond the drywall. Once you have found a stud, measure 60cm to either side of it and repeat the process.

FileSTRAP™ Anti-Tip Fastener



Each Kit Contains:

- 1 (30x 5cm) strap w/VELCRO
- 1 wood stud screw
- 1 washer
- 2 surface prep pads
- Instructions

Extra Long Kit Contains:

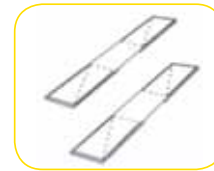
- Same as above except strap is (62 x 5cm)

Each FileSTRAP uses 12 square inches industrial VELCRO hook and loop. On lateral file cabinets and other cabinets wider than 60cm, use two or more FileSTRAPs.

5200 FileSTRAP

Gray \$20.00 ex gst

FileSTRAP™ - Gang



Each Kit Contains:

- 2 (35 x 5cm) strap w/VELCRO
- 4 surface prep pads
- Instructions

File cabinets often are placed together in an island configuration. Ganging them together creates a larger base and lowers the centre of gravity. Each kit has two straps and each strap has 12 square inches of industrial VELCRO hook and loop fastener on both ends.

5250 FileSTRAP - Gang Kit

Gray

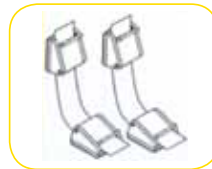
\$60.00 ex gst

5251 FileSTRAP - Gang Kit

Black

\$60.00 ex gst

VCR/Stereo Buckle™



Each Kit Contains:

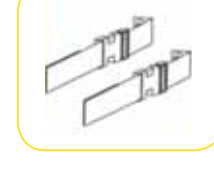
- 4 buckles with 3M adhesive
- 2 (8") Quake Straps
- 2 surface prep pads
- Instructions

This is the same VersaBUCKLE kit featured in our computer section, except it is black to match the colour of most home electronic items.

4560 Versa Buckle/VCR-Stereo

Black \$18.00 ex gst

Big Screen TV Strap™



Each Kit Contains:

- 2 (121 x 5cm) straps with VELCRO and quick-disconnect buckle
- 2 wood stud screws
- 2 washers
- 2 surface prep pads
- Instructions

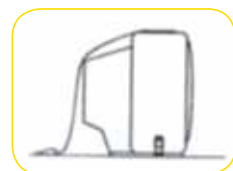
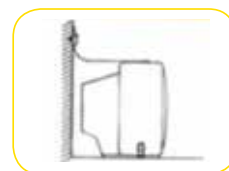
After the Northridge Earthquake, Q-Safety was inundated with calls from customers, whose big screen TV sets fell over. As a result the Refrigerator Strap was adapted for big screen TV use. To each side of the TV, one end of the strap is applied with industrial VELCRO brand hook and loop fastener. The other end of the strap is screwed into a wall stud. Between the two is a quick-disconnect buckle. The straps are adjustable so the big screen TV can be as far away as 1.2m from the wall.

4508 Big Screen TV Strap

Black

\$60.00 ex gst

TV Fastening Kit™



Each Kit Contains:

- 1 4560 kit (see above)
- 1(150cm) top strap w/VELCRO
- 1 buckle with 3M adhesive
- 1 wood stud screw 2 surface prep pads
- Instructions

TV sets present a unique safety problem because most sets (38cm and larger) are top-heavy. Since small children often sit on the floor in front of the TV, the need for securing them is even greater. The TV Fastening Kit uses VersaBUCKLES on each side of the TV to hold down the base. A top strap is used to restrain the TV from coming forward. The top strap is secured to the top of the TV with industrial VELCRO brand hook and loop fastener. It can be secured to either the tabletop behind the TV with the VersaBUCKLE, or screwed into a wall stud through the VersaBUCKLE. For sets 60cm and larger, use two TV Fastening Kits or the Big Screen TV Strap for added security.

4065 TV Fastening Kit

Black

\$30.00 ex gst

Are childproof latches adequate in an earthquake?

Childproof latches were not designed as earthquake safety devices. They can come off their catch latches with extreme lateral motion. If you choose to use them, try to find one with a wide catch latch.

Tips for safe storage in cupboards

Keep the heaviest items on lower shelves. Whenever possible, purchase liquids in plastic bottles rather than glass. Expensive dishes and china that are used for special occasions and are not kept on display should be packed in boxes with plenty of padding and kept on lower shelves.

What if I want to relocate equipment?

Relocation pads are available for both industrial VELCRO brand hook and loop fasteners and 3M VHB adhesive fasteners. To relocate a piece of equipment, simply remove it and the fasteners from the desktop and take it to the new location. Add relocation pads to the fasteners that attach to the desktop. The used pads can be removed from the old location and thrown away.

Can I use Velcro to mount items on a wall?

No. Adhesives used on VELCRO brand hook and loop fasteners and 3M VHB fasteners are meant only for horizontal applications. They are not recommended to be used in vertical applications such as hanging items on a wall where there is a constant load on the fastener. A constant vertical load will affect the adhesive curing and cause it to slip.

Are there any guarantees?

The forces of Mother Nature can be great. There is no guarantee that securing your equipment against earthquake damage will keep it from being damaged in a violent earthquake.

Because the real forces of an earthquake can not be precisely duplicated in a laboratory for product testing, it is up to the individual to determine what level of protection is required. It does stand to reason that taking diligent steps to secure items against earthquake damage will be advantageous.

"We can start to strap down our computers. We can start strapping down file cabinets. For example, in earthquake and hurricane zones, just attaching bookcases to walls (and) securing hot water heaters in a closet should be as common as when you get in a car buckling your seat belt."

Out-of-Sight Furniture Straps™



Each Kit Contains:

- 2 (40cm) straps
- 2 quick-disconnect buckles
- 2 footman loops
- 4 furniture screws
- 2 wood stud screws
- 2 washers
- Instructions

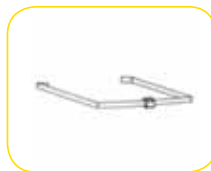


Detail of fastener behind bookcase

The Out-of-Sight Furniture Strap secures wood furniture such as entertainment centres, TV cabinets, console TV sets, speakers, dressers, tables, bookcases, credenzas, and file cabinets. This unique fastener has quick-disconnect buckles for easy movement of the furniture. The straps are adjustable allowing the furniture to be as close as 3/4" to the wall or as far away as 38cm from the wall.

5812 Out-of-Sight Furniture Straps Gray \$20.00 ex gst

Washer/Dryer Strap™



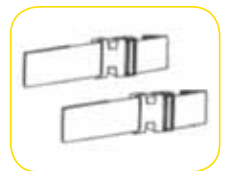
Each Kit Contains:

- 1 (267cm) strap w/buckle
- 2 wood stud screws
- 2 washers
- Instructions

Gas dryers are especially vulnerable during an earthquake. If the gas line connection is broken, resulting fires can cause more damage than the quake itself. The Washer/Dryer Strap will help keep the washer/dryer from moving away from the wall during an earthquake. Two ends of the strap are screwed into wall studs behind the washer/dryer. The strap buckles together in front, much like a seat belt. Each kit fastens one machine.

4506 Washer/Dry Strap Gray \$26.00 ex gst

Refrigerator Strap™



Each Kit Contains:

- 2 (1.22m x 5cm) straps with VELCRO and quick disconnect buckle
- 2 wood stud screws
- 2 washers
- 2 surface prep pads

Refrigerators are often on wheels and can roll across a kitchen during an earthquake. The Refrigerator Strap is designed to keep them in place. To each side of the refrigerator, one end of the strap is applied with industrial VELCRO brand hook and loop fastener. The other end of the strap is screwed into a wall stud. Between the two is a quick-disconnect buckle. The straps are adjustable so the refrigerator can be as far away as 4 feet from the wall.

5805 Refrigerator Strap White \$60.00 ex gst

InnerLOCK™



Each Kit Contains:

- 1 male and female lock component
- 4 brass screws
- Instructions

If it is not desirable to drill through the cabinet door, consider the InnerLOCK. The male piece is attached to the door with 2 screws. The female piece is attached to the base of the cabinet. There are ball bearings on either side of the female piece that hold the male piece in place when the door is closed. There are adjusting screws on either side of the female piece that will loosen or tighten the tension on the ball bearings. This gives the installer the ability to determine the amount of force it will take to open the door.

5150 InnerLOCK Brass \$8.00 ex gst

Refrigerator Door Straps™



Each Kit Contains:

- 2 VELCRO loop fastening straps
- 4 VELCRO hook pads
- 2 surface prep pads
- Instructions

The food in your refrigerator can be very important to your survival in the days following an earthquake. As well as securing your refrigerator to the wall with our Refrigerator Strap, consider the Refrigerator Door Strap to keep doors closed and prevent food from spilling out. This is also a handy way to keep small children out of the refrigerator. The Refrigerator Door Straps are rated for 10,000 release cycles. They are easy to open and close, yet strong enough to keep the refrigerator door from swinging open. Each kit contains two door straps.

5806 Refrigerator Door Strap White \$10.00 ex gst
5820 Refrigerator Door Strap Black \$10.00 ex gst

QuakeHold Putty, QuakeHold Gel and Museum Wax, what's the difference?

Use QuakeHold Putty for a sturdy bond between collectibles and any hard surface. Use QuakeHold Gel for a secure bond specifically between transparent items. Both QuakeHold Putty and QuakeHold Gel are simple to apply, easy to remove, and reusable. Use Museum Wax for a gripping bond on items that are seldom moved.

Add safety for tall items like statues and vases.

On the base of the item, use QuakeHold Putty, QuakeHold Gel, or Museum Wax. If the tabletop is leather or fabric, use the DON'T WALK Mat. Tie a clear monofilament line (fishing line) near the top of the item. Screw an eye screw into the wall (stud if possible). Tie the monofilament line from the item to the eye screw.

Secure extra-heavy mirrors and large pictures.

Screw one eye screw into a stud and another one into the mirror or picture frame. Connect the two with a quick link (available at most hardware stores). Do this in at least two locations on the item and in as many other locations as necessary to make it secure. Use Quake Tape or VersaBLOCKS in the lower corners for stability.

Up to what magnitude earthquake will these fasteners hold?

This question can not be answered prior to an earthquake because many elements influence the answer. Here are some factors to consider.

- **Location Relative to Epicenter**
Locations directly on the epicentre of a 5.0 magnitude earthquake can sustain tremendous damage, whereas areas a few miles away may have no damage at all.

Epicentres may be located near the surface, such as the Northridge earthquake which struck 16km underground; or deep beneath the surface such as the June 8, 1994 Bolivia Earthquake that was centred 400 miles underground.

- **Type of Ground Composition**
Is it landfill such as San Francisco's Marina District that was devastated in the Loma Prieta Earthquake?

- **Direction**
Is it a vertical thrust or a slip-strike (horizontal) earthquake?

Various combinations of these factors result in different degrees of damage.

QuakeHOLD™ Putty



Each Kit Contains:

1 (2.64 oz.) pad of QuakeHold Putty adhesive

QuakeHold Putty protects valuables from earthquakes, playful kids, and pets. This non-toxic, poly-putty is formulated to create a sturdy bond. It is non-drying, removable, and reusable. One 2.64 oz. pack will secure about 20 medium-size items. QuakeHold is excellent for securing collectibles, figurines, antiques, knick-knacks, and vases. Apply to hard surfaces that are waterproof such as glass, Plexiglas, tile, stone, laminated plastic, metal, ceramic, and finished wood.

4080 QuakeHold Putty Putty \$10.00 ex gst

Museum Wax™



Each Kit Contains:

1 jar of Museum Wax adhesive

Museum Wax is the same formulation museum conservators have been using for years. It is non-toxic, microcrystalline wax used to secure collectibles against falling and breaking. Its stickiness grips instantly. Museum Wax is recommended for objects that are seldom moved. Removal requires mineral spirits and/or dental floss. Apply to hard surfaces that are waterproof such as glass, Plexiglas, tile, stone, laminated plastic, metal, ceramic, and finished wood.

4084 Museum Wax 2 oz Pearl \$10.00 ex gst
4085 Museum Wax 13 oz Pearl \$24.00 ex gst

Quake Tape Roll™



Each Kit Contains:

1 roll VELCRO hook & loop
12 surface prep pads
Instructions

Quake Tape is industrial VELCRO brand hook and loop fastener with pressure-sensitive adhesive on the back of both the hook and loop. It is excellent for adhering flat surfaces together. It is recommended for use on potted plants, lamps, trophies, sorting trays. File boxes, etc. Apply to any hard surface such as glass, tile, stone, laminated plastic, metal, ceramic, and finished wood. Do not use on vertical surfaces.

2800 Quake Tape Roll 90cm Grey \$20.00 ex gst
2801 Quake Tape Roll 274cm Grey \$40.00 ex gst

QuakeHold Gel™



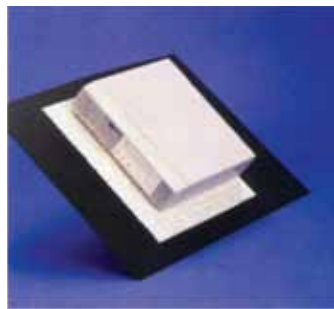
Each Kit Contains:

1 (4 oz) jar of QuakeHold Gel adhesive

Clear QuakeHold Gel was designed specifically for use on transparent items such as crystal, glass, and Plexiglas. It is a non-toxic gel that transforms into a solid film to create a secure bond. It is removable and reusable. One 4 oz. jar will secure up to 300 small figurines. Apply to hard surfaces that are waterproof such as glass, Plexiglas, tile, stone, laminated plastic, and metal. Do not use on tilted surfaces.

4090 QuakeHold Gel Clear \$22.00 ex gst

DON'T WALK Motion Resistant Mat™



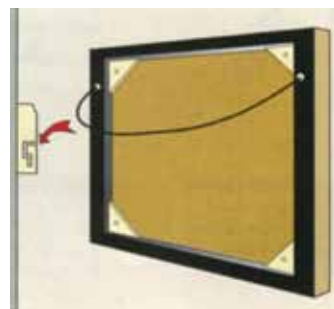
Each Kit Contains:

1 (12' x 1') roll

Keep items from "walking" during an earthquake. DON'T WALK has gripping power on both the equipment and the tabletop. It is ideal for placing under items that have leather - and fabric - covered bases. It is great for lining drawers, bookshelves, and workbench surfaces. DON'T WALK is not a universal earthquake fastener since it does not protect against vertical thrust.

2641 DON'T WALK 3.6m x 30cm roll Putty \$12.00 ex gst

Picture & Mirror Fastening Kit™



Hang your pictures and mirrors in a tough, plastic maze. Each fastener comes with a nail for light-weight pictures, and a wood stud screw for heavier pictures. Two fasteners used together hold up to 45kg. The kit contains VELCRO pads to stabilize the picture against the wall.

5813 Picture & Mirror Fastening Kit Putty \$12.00 ex gst

The Importance of Earthquake Fastening

Home:

Tall items such as bookcases, entertainment centres, refrigerators, and china cabinets can weigh many kg's. If not secured to wall studs, they can travel and topple during an earthquake causing injury or death to pets and people. The contents of these items can become missiles, causing injuries and blocking pathways. Washers, dryers, hot water heaters, and stoves are heavy. Unsecured, they can break the gas connection and become a fire threat. Natural gas fires are a common consequence of earthquakes. TVs, microwaves, and other appliances are also prone to projectile movement in earthquakes and need to be secured.

Business:

Much of what is mentioned in the home applies to businesses as well. In addition to personal and property safety, businesses need to stay functional. Loose servers, networking computers, desktop computers, and printers in an earthquake could be disastrous. The resultant loss of productive time could be calamitous. In the aftermath of an earthquake, the demand for resources such as replacement parts, consultants, and services will be far greater than those in normal times. Another important consideration for business is the legal liability inherent in failing to take prudent measures to mitigate hazards in the workplace. Businesses located in Earthquake Country should be aware of the Health and Safety in Employment act and Emergency Management act, both supporting working safety and management responsibility for safety issues in the workplace.

BoingBAR™



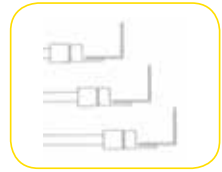
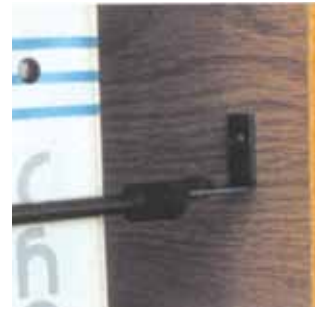
Each Kit Contains:

1 (2.74m) shock cord
6 end cap connections
6 black screws
Instructions

The BoingBAR is a sleek-looking, practical method of securing bookshelf and storage contents. It is ideal for offices, laboratories, homes, and garages. Because it is elastic, removing and replacing items is easy. A special locking end cap connector attaches to the ends of the card (bungee), allowing the card to be screwed into the vertical ends of the bookcase. Each kit can make up to 3 (91cm) BoingBARS.

5040 BoingBAR Black \$20.00 ex gst

BoingBAR™ Internal



Each Kit Contains:

1 (2.74m) shock cord
6 end connector-L
6 black screws
Instructions

The BoingBAR Internal is the same as the BoingBAR except the end connector is designed to be attached to the inside of the shelf unit. Use on shelving where the vertical edge is round, has plastic moulding, or can not be screwed into for other reasons.

5050 BoingBAR Internal Black \$30.00 ex gst

Book-KEEPER™ Bar



Each Kit Contains:

1 adjustable Book-KEEPER bar
2 mounting plates with 3M adhesive
2 lock nuts
2 surface prep pads
Instructions/template



This system for restraining books and other shelf items uses gravity to keep the restraining bar in place. To remove a book, just pick up the bar and pull the book out. By releasing the bar, it falls back into the secure position. Made of steel rod and aluminium tubing, they come in two adjustable sizes: 25"-39" and 40"+55". Installation is simple and does not involve drilling. The aluminium mounting plates are attached with 3M adhesive tape. A template is included to mark the mounting locations.

5060 Book-KEEPER Bar 64 -99cm Silver \$38.00 ex gst
5070 Book-KEEPER Bar 102 -139cm Silver \$40.00 ex gst

3M Adhesive Pads

Each Kit Contains:

36 (1-1/4" x 1") 3M VHB adhesive tape pads,
12 surface prep pads,
Instructions

3m relocation tape pads
-\$13.00 per 36 pads

White \$13.00 ex gst

