Fisher Scientific

Laboratory

University

Life Science

Corporate

Hospital

ReadyAmerica ®
THE DISASTER SUPPLY PROFESSIONALS

FASTENERS FOR SEISMIC BRACING

WHAT SHOULD YOU BRACE?

Non-Structual Items Recommended for Proper Bracing (partial list):

1. Movable items (storage racks, etc.) that are 5 feet and taller should be seismically braced. Anything less than 5 feet in height should be braced if the supporting base is less than two-thirds of the overall height of the unit. All such items shall be restrained to prevent movement when not in use.

2. Permanent floor-supported items (cabinets, bookcases, etc.) that are more than 6 feet in height (including contents).

3. All equipment greater than 400 lbs, and greater than 4 feet in height should be properly braced for lateral loads. (ASCE 7-05 Section 13.1.4)

4. Temporary containers with flammable or hazardous materials.

5. Vessels, including tanks and pressurized spheres on braced or un-braced legs.

6. Bins or hoppers on braced or un-braced legs.

7. Batteries on racks shall be restrained against movement in all directions due to earthquake forces.

8. All other self-supporting structures not otherwise covered.

Creating a Secure Environment

When an earthquake strikes, the primary cause of injury or death is from unsecured heavy objects toppling over. The first step in earthquake preparedness is to secure top heavy items such as furniture, storage cabinets, data cabinets, expensive equipment and items that if damaged would cause operations to cease. Hospitals, universities, laboratories, offices, and warehouses each have special needs for earthquake bracing. This product assortment offers fasteners designed to meet and exceed all of those needs.
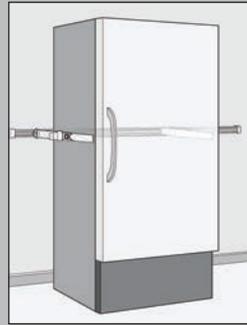
Large Floor Equipment

Push Button Strut Strap

Part # RWPBSSB
FCAT #11900050

Kit Contains:
(2) 2" x 15" industrial VELCRO brand
     hook and loop & push-button buckle
(2) 30" adjusting straps with mounting bracket
(2) 3/8" strut nuts
(2) 3/8" x 3/4" 16-tpi grade 5 bolts
(2) 3/8" x 1" flat washers
(2) Surface prep pads
(1) Instruction sheet

Used for: Braces large floor equipment to the Unistrap on wall.
Quick release buckle for quick disconnect. It's a snap.

Counter Top Equipment

FlexMOUNT Bar

Part # RDFMBAR6
FCAT #11900051

Kit Contains:
(6)   24" x 2" rear mounted bar with
      3M very high bond (VHB) adhesive
(12) surface prep pads
(1)   instruction sheet

Used for: Serves as the attachment base for the FlexMOUNT
strapping system. This system secures equipment to
countertops. Does not include unit attachment straps.

FlexMOUNT Base Buckle Straps

Part # 3RDFMT62
FCAT #11900053

Kit Contains:

(2) 12" Bio Straps with carabiners
(2) 2" x 3" Thumb Lock fasteners with
     3M very high bond (VHB) adhesive
(2) Surface Prep Pads
(1) Instruction sheet
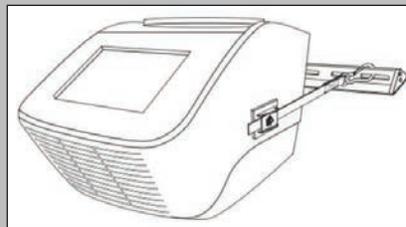
Used for: Secures large and heavy
countertop equipment using the FlexMOUNT strap system.

(Not pictured)
For securing smaller countertop equipment using the FlexMOUNT
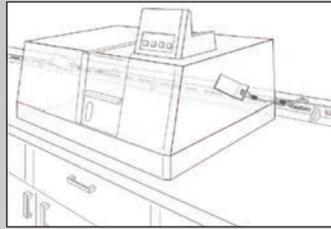strapping system, use:
Part # RDFMT42
FCAT #11900053

Counter Top Equipment

FlexMOUNT Cable Fasteners

Part # RDFM23C2
FCAT #11900056

Kit Contains:
(2) 12" cable with carabiners
(1) 2" x 3" stainless steel plates
    with 3M very high bond
   (VHB) adhesive
(2) Surface prep pads
(1) Instruction sheet

Used for: Secures large countertop equipment using
FlexMOUNT Bar strapping system for clean rooms.

FlexMOUNT Flexible Contour Straps

Part # RDFMV2
FCAT #11900054

Kit Contains:
(2) 12" Bio Straps with carabiners
(2) Flexible strap attachment with
    6" industrial VELCRO & side-
    release buckles
(2) Surface prep pads
(1) Instruction sheets
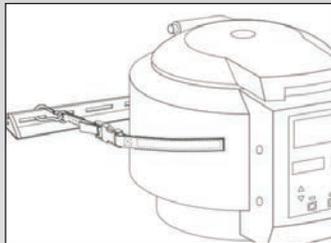
Used for: Secures countertop equipment with curved sides using
FlexMOUNT Bar strapping system.

FlexMOUNT Bio Locking Lasso Strap

Part # RDFMMIC1
FCAT #11900055

Kit Contains:

(1) 12" Bio Strap with buckle
    & carabiner
(1) Instruction sheet

Used for: Multi-door refrigerators,
freezers, shakers, incubators and
other large floor equipment. 4,000 lb
break strength.

Floor Mount Stainless Steel

Corner Bracket

Part # RFCB6H1
FCAT # 11900018

Kit Contains:
1) stainless steel corner bracket, 1/4" thick, 6" high
2) 3/8" drop anchors
2) 3/8" anchor bolts
2) 3/8" washers
Instructions

Used for: Equipment with round legs or square legs or corners without legs.

1" High Z-Bracket

Part # RZ0501
FCAT # 11900040

2" High Z-Bracket

Part # R1001
FCAT # 11900041

Kit Contains:
1) Z-bracket
2) 3/8" drop anchors
2) 3/8" anchor bolts
2) 3/8" washers
Instructions

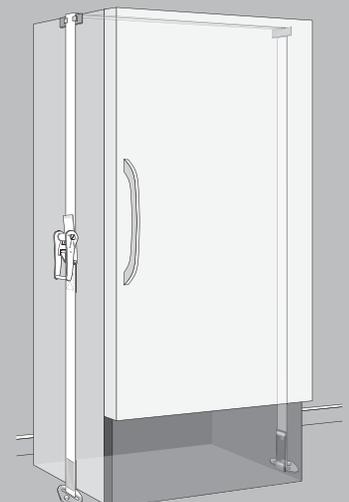**Used for:** Equipment with adjustable legs.

Floor Mount

90" Ratchet Strap w/Corner Brackets

Color: Gray
Part # RFR90CBG1
FCAT # 11900022

Kit Contains:

1) 2" x 90" strap w/wide-handle ratchet
   and floor-mount plate
1) 2" x 180" strap w/floor-mount plate
2) Corner brackets
2) 3/8" drop anchors
2) 3/8" anchor bolts
2) 3/8" washers
Instructions

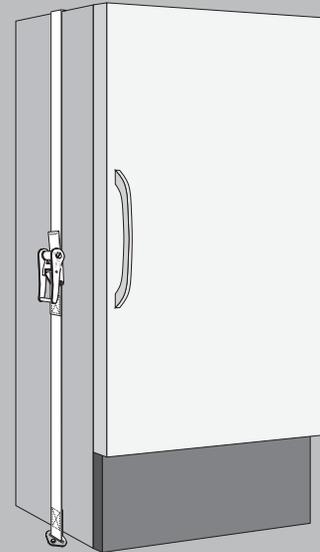**Used for:** Multi-door refrigerators, freezers, shakers, incubators and other large floor equipment. 4,000 lb break strength.

Floor Mount

Ratchet Straps

Used for: Multi-door refrigerators, freezers, shakers, incubators and other large floor equipment. 4,000 lb break strength.

30" Ratchet Strap

Color: Gray
Part # RFR30G1
FCAT # 11900020

Kit Contains:
1) 2" x 30" strap w/wide-handle ratchet and floor-mount plate
1) 2" x 180" strap w/floor-mount plate
2) 3/8" drop anchors
2) 3/8" anchor bolts
2) 3/8" washers
Instructions

60" Ratchet Strap

Color: Gray
Part # RFR60G1
FCAT # 11900021

Kit Contains:
1) 2" x 60" strap w/wide-handle ratchet and floor-mount plate
1) 2" x 180" strap w/floor-mount plate
2) 3/8" drop anchors
2) 3/8" anchor bolts
2) 3/8" washers
Instructions

90" Ratchet Strap

Color: Gray
Part # RFR90G1
FCAT # 11900023

Kit Contains:
1) 2" x 90" strap w/wide-handle ratchet and floor-mount plate
1) 2" x 180" strap w/floor-mount plate
2) Corner brackets
2) 3/8" drop anchors
2) 3/8" anchor bolts
2) 3/8" washers
Instructions

180" Ratchet Strap

Color: Gray
Part # RFR180G1
FCAT # 11900019

Kit Contains:
1) 2" x 180" strap w/wide-handle ratchet and floor-mount plate
1) 2" x 180" strap w/floor-mount plate
2) 3/8" drop anchors
2) 3/8" anchor bolts
2) 3/8" washers
Instructions

Wall Mount

Flammable Cabinet Strut Fastener

Color: Gray
Part # RW1S2X1
FCAT # 11900028

Kit Contains Struts:
1) 40" strut (white powder-coat)
2) strut end caps (white)
2) 1/4" wood stud screws
2) 1/4" metal stud togglers
2) 1/4" metal stud screws
2) 1/4" x 1" washers
Strut to Wall Instructions

Kit Contains Strut Straps:
2) 2" x 16" strut straps w/industrial VELCRO® brand hook & loop and metal mounting bracket
2) 3/8" strut-washer nuts
2) 3/8" x 1" 16-tip Grade 5 bolts
2) 3/8" flat washers
2) Surface prep pads
Instructions

Used for: Securing flammable and toxic corosives cabinets to wall stud w/industrial Hook & Loop to avoid penetrating cabinet with screws.
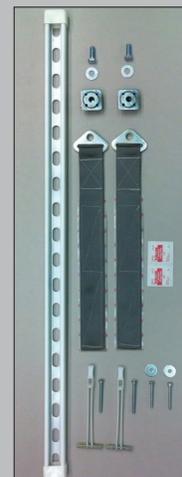

Fig. A

FLAMMABLE
KEEP FIRE AWAY

6

Wall Mount

Wall Strap w/Side Release Buckle

Color: Black
Part # RW1X48B21
FCAT # 11900029

Color: Gray
Part # RW1X48G21
FCAT # 11900030

Kit Contains:
2) 1" x 48" straps using a steel plate
   w/3M® VHB adhesive & steel buckle
2) 1/4" metal stud togglers w/instructions
2) 1/4" metal stud screws
2) 1/4" wood stud screws
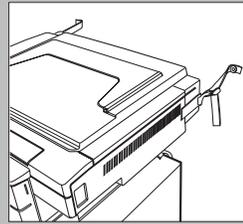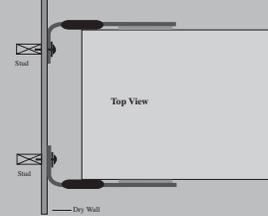2) 1/4" x 1" washers
2) surface prep pads
Instructions

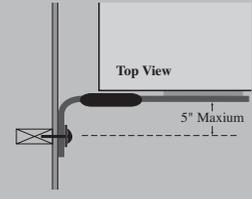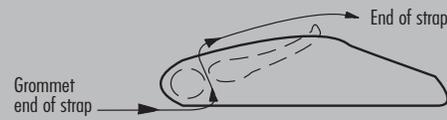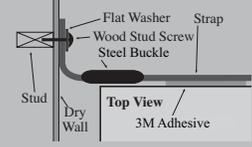**Used for:** Copiers and other medium sized equipment. Easy release.

Fig. A

Fig. B

Top View

5" Maxium

Fig. C

Flat Washer   Strap
Wood Stud Screw
Steel Buckle

Stud   Dry Wall   Top View   3M Adhesive

Stud

Stud

Dry Wall

Top View

End of strap

Grommet
end of strap

Detail of how to thread cinch strap through buckle.

FileSTRAP

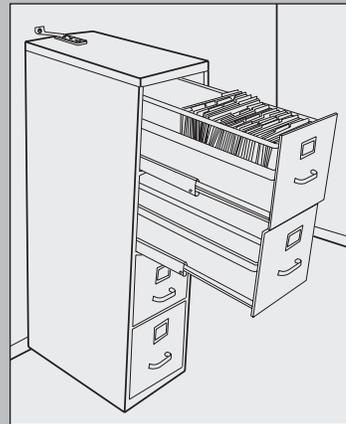Color: Black
Part # RW2X12B1
FCAT # 11900031

Color: Gray
Part # RW2X12G1
FCAT # 11900032

Kit Contains:
1) 2" x 12" strap w/industrial VELCRO®
   brand hook and loop
1) 1/4" metal stud toggler w/instructions
1) 1/4" metal stud screw
1) 1/4" wood stud screw
1) 1/4" x 1" washer
1) surface prep pad Instructions

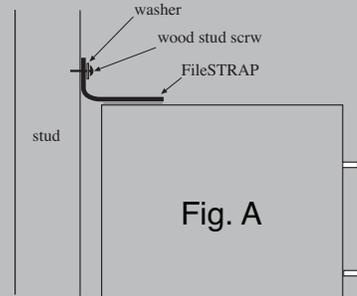**Used for:** File cabinets, storage cabinets, bookshelves and other similar cabinets.

washer
wood stud scrw
FileSTRAP

stud
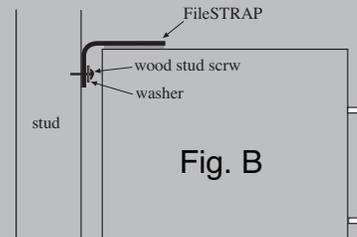
Fig. A

FileSTRAP
wood stud scrw
washer

stud

Fig. B

Ganging File Strap

Color: Black
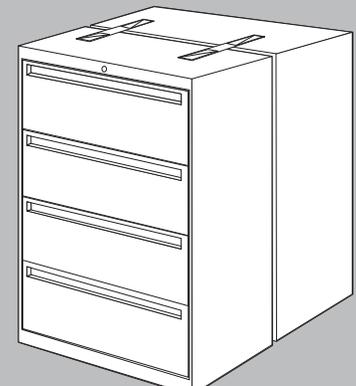Part # RG2X14B21
FCAT # 11900024

Color: Gray
Part # RG2X14G21
FCAT # 11900025

Kit Contains:
2) 2" x 14" straps w/industrial VELCRO® brand hook and loop on each side
4) Surface prep pads
Instructions

Used for: Ganging together file cabinets, storage cabinets, bookshelves and other similar items.

Wall Mount

Equipment Wall Strap

Color: Black
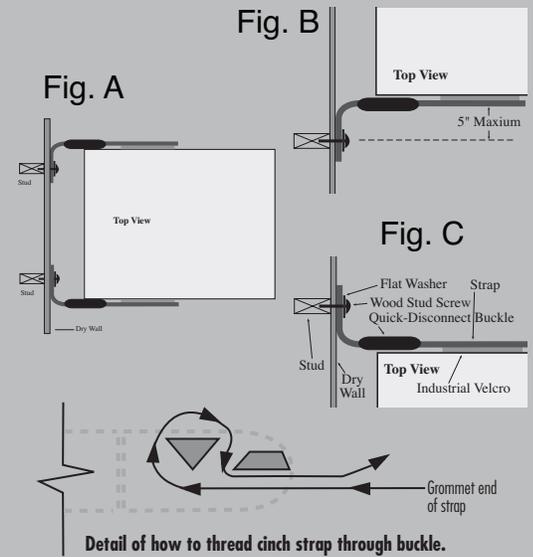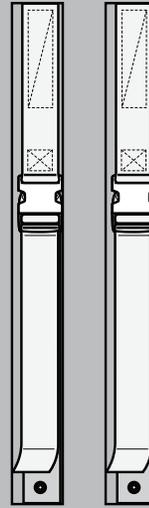Part # RW2X48B21
FCAT # 11900033

Color: White
Part # RW2X48W21
FCAT # 11900034

Kit Contains:
2) 2" x 48" straps w/industrial VELCRO®
   brand hook and loop w/side-release buckle
2) 1/4" wood stud screws
2) 1/4" metal stud togglers w/instructions
2) 1/4" metal stud screws
2) 1/4" x 1" washers
2) surface prep pads
Instructions

Used for: Kitchen-size freezers, refrigerators, incubators, centrifuges and similar sized items.

Fig. B

Fig. A

Top View

5" Maxium

Fig. C

Flat Washer   Strap
Wood Stud Screw
Quick-Disconnect Buckle
Stud   Dry Wall
Top View
Industrial Velcro

Stud

Stud

Dry Wall

Top View

Grommet end of strap

Detail of how to thread cinch strap through buckle.

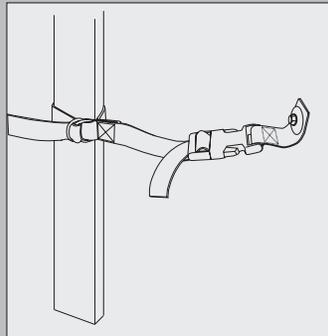## Cart-to-Wall Strap

Color: Black
Part # RWCTWB1
FCAT # 11900035

Color: Gray
Part # RWCTWG1
FCAT # 11900036

Kit Contains:
1) 16" strap w/D-rings
1) 8" strap w/quickdisconnect buckle
1) 1/4" wood stud screw
1) 1/4" metal stud toggler w/instructions
1) 1/4" metal stud screw
1) 1/4" x 1" washer
Instructions

Used for: Carts, metro racks and tubular furniture. Comes with quick release buckle.

Fig. A

Fig. B

End of strap

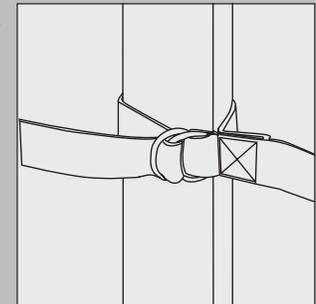**Detail of how to thread cinch strap through buckle.**
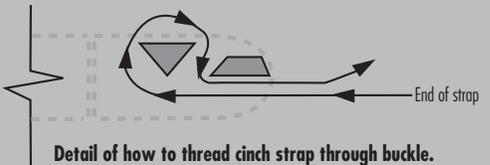
Small Refrigerator/Freezer StrutSTRAP w/Side Release Buckle

Color: Black
Part # RWSS2X48B1
FCAT # 11900038

Color: White
Part # RWSS2X48W1
FCAT # 11900039

Used for: Securing kitchen sized refrigerators, freezers and similar sized items to existing 1-5/8" strut on wall. Comes with quick release buckle.

Kit Contains:
2) 2" x 48" straps w/industrial VELCRO brand
   hook and loop w/side-release buckle
2) 3/8" strut-washer nuts
2) 3/8" x 1" bolts
2) 3/8" x 1-1/2" flat washers
2) Surface prep pads
Instructions
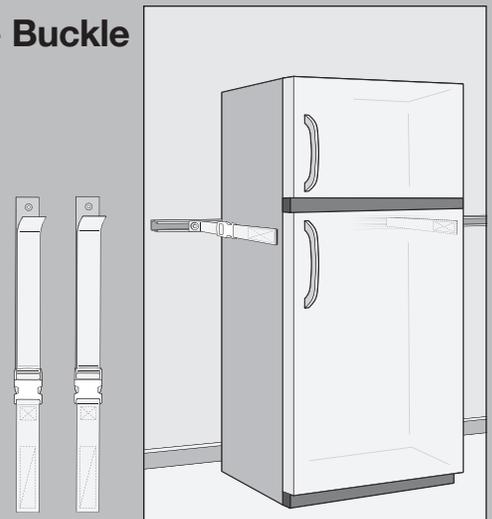
Wall Mount

Large Floor Equipment Bio Coated StrutSTRAP

Color: Black
Part # RWLFEB
FCAT # 1900436

Kit Contains:
2) 2" x 32" coated straps w/strut mounting bracket
2) 4" x 6" aluminum plates w/3M VHB adhesive
2) 2-1/2" x 3-1/2" plate
4) wing nuts
4) 1/4" machine screws
4) 1/4" bolts
8) 13/64" x 3/4" washers
2) 3/8" strut-washer nuts
2) 3/8" x 1" bolts
2) 3/8" x 1" flat washers
2) Surface prep pads

Used for: Securing freezers,
refrigerators, shakers, incubators
and other large and standing
equipment.
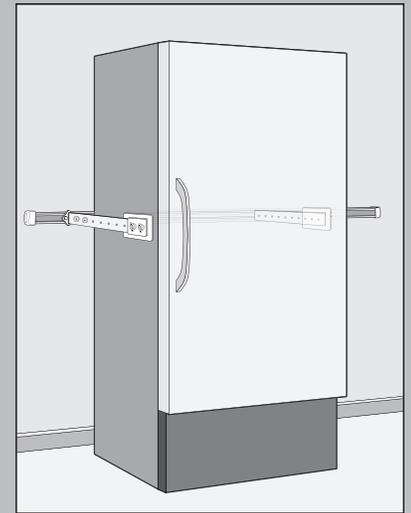
Wall Mount

4" x 4" Adhesive Plate Assembly

Part # RQ4X4P1
FCAT # 11900026

Kit Contains:
1) 4" x 4" plate with cable and 3M® VHB adhesive
2) Surface prep pads
Instructions

Used for: Securing kitchen size refrigerators, freezers
and similar sized items, as well as large counter top
equipment with customer provided anchors.

Counter Top Equipment

Equipment Fasteners

Fig. A

Buckle Base
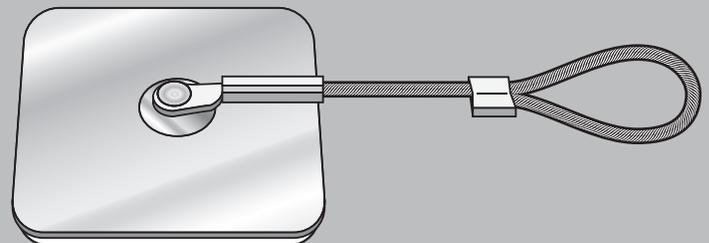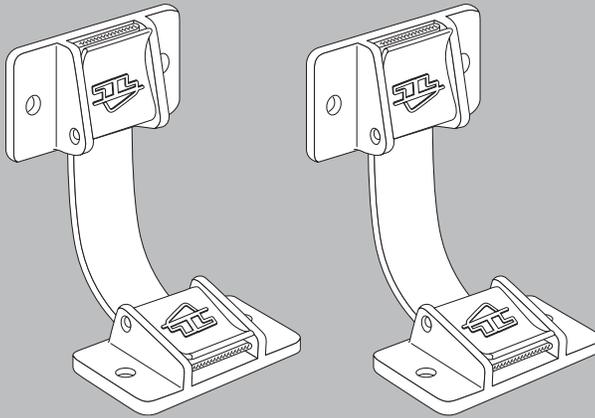
Buckle
(in locked position)

Hinges
(facing
each
other)

Buckle Base →

Fig. B

Fig. C

Computer
Top View

Computer
Top View

Two-Point Fastening System
For wide-base, low-profile
equipment.

Four-Point Fastening System
Use 2 kits for tall, top-heavy equipment.

Used for: Countertop and desktop equipment.

1" x 2" for equipment less than 25 lbs.

Color: Gray
Part # RDT24G1
FCAT # 11900012

Color: Black
Part # RDT24B1
FCAT # 11900011

Kit Contains:
4) 1" x 2" buckles w/3M® VHB adhesive
2) 3/4" x 4" Locking Straps
2) Surface prep pads
Instructions

2" x 2" for equipment less than 50 lbs.

Color: Black
Part # RDT44B1
FCAT # 11900013

Color: Gray
Part # RDT44G1
FCAT # 11900014

Kit Contains:
4) 2" x 2" buckles w/3M® VHB adhesive
2) 1" x 5" Locking Straps
2) Surface prep pads
Instructions

2" x 3" for equipment less than 200 lbs.

Color: Black
Part # RDT64B1
FCAT # 11900015

Color: Gray
Part # RDT64G1
FCAT # 11900016

Color: White
Part # RDT64W1
FCAT # 11900017

Kit Contains:
4) 2" x 3" buckles w/3M® VHB adhesive
2) 1" x 8" Locking Straps w/holes
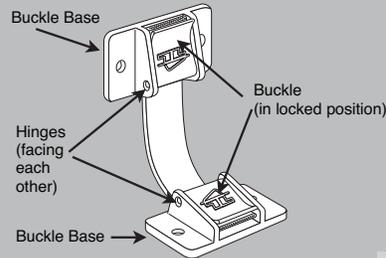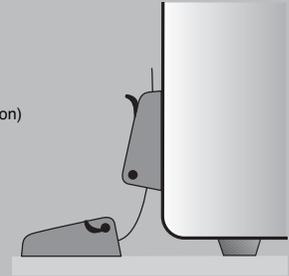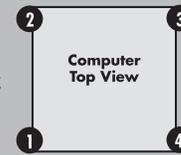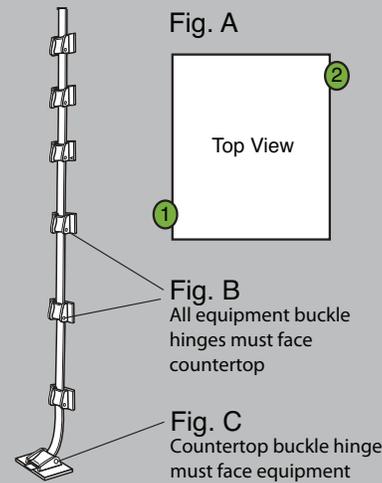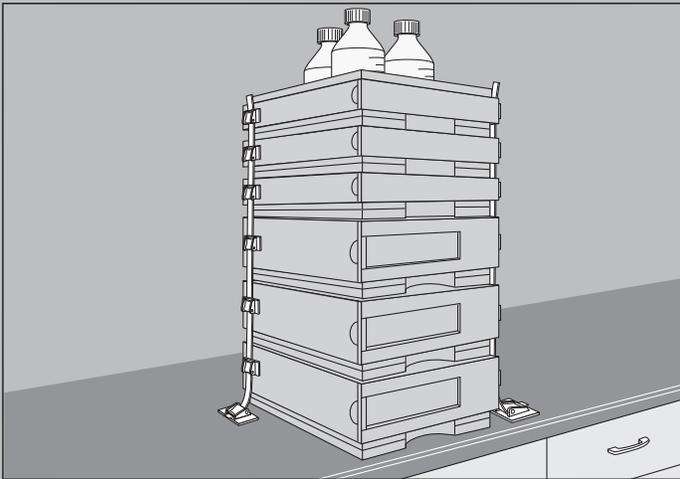2) Surface prep pads
Instructions

HPLC Stack Fastener Kits

Fig. A

Top View

Fig. B
All equipment buckle hinges must face countertop

Fig. C
Countertop buckle hinge must face equipment

Used for: Countertop and desktop stacked equipment.

2 Stack
Color Gray
Part # RDHP2G1
FCAT # 11900002
Kit Contains Two Fastener Assemblies:
2) 2" x 2" countertop buckles w/3M® VHB adhesive
4) 1" x 2" equipment buckles w/3M VHB adhesive
2) 12" coated Locking Straps
4) Surface prep pads
Instructions

3 Stack
Color Gray
Part # RDHP3G1
FCAT # 11900003
Kit Contains Two Fastener Assemblies:
2) 2" x 2" countertop buckles w/3M® VHB adhesive
6) 1" x 2" equipment buckles w/3M VHB adhesive
2) 16" coated Locking Straps
6) Surface prep pads
Instructions

4 Stack
Color Gray
Part # RDHP4G1
FCAT # 11900004
Kit Contains Two Fastener Assemblies:
2) 2" x 2" countertop buckles w/3M® VHB adhesive
8) 1" x 2" equipment buckles w/3M VHB adhesive
2) 20" coated Locking Straps
8) Surface prep pads
Instruction

5 Stack
Color Gray
Part # RDHP5G1
FCAT # 11900005
Kit Contains Two Fastener Assemblies:
2)   2" x 2" countertop buckles w/3M VHB adhesive
10) 1" x 2" equipment buckles w/3M VHB adhesive
2)   24" coated Locking Straps
10) Surface prep pads
Instructions

6 Stack
Color Gray
Part # RDHP6G1
FCAT # 11900006
Kit Contains Two Fastener Assemblies:
2)   2" x 2" countertop buckles w/3M VHB adhesive
12) 1" x 2" equipment buckles w/3M VHB adhesive
2)   28" coated Locking Straps
12) Surface prep pads
Instructions

7 Stack
Color Gray
Part # RDHP7G1
FCAT # 11900007
Kit Contains Two Fastener Assemblies:
2)   2" x 2" countertop buckles w/3M VHB adhesive
14) 1" x 2" equipment buckles w/3M VHB adhesive
2)   32" coated Locking Straps
14) Surface prep pads
Instructions

8 Stack
Color Gray
Part # RDHP8G1
FCAT # 11900008
Kit Contains Two Fastener Assemblies:
2)   2" x 2" countertop buckles w/3M VHB adhesive
16) 1" x 2" equipment buckles w/3M VHB adhesive
2)   36" coated Locking Straps
16) Surface prep pads
Instructions

Counter Top Equipment

LassoSTRAP for equipment less than 25 lbs.

Color: Gray
Part # RDSG1
FCAT # 11900009

Kit Contains:
1) 1" x 2" buckle w/3M® VHB adhesive
1) 3/4" x 30" Locking Strap w/D-ring
2) Surface prep pads
Instructions
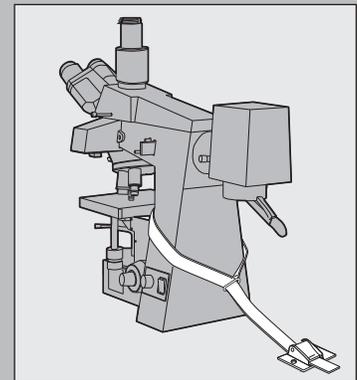
LassoSTRAP for equipment less than 50 lbs.

Color: Gray
Part # RDSLG1
FCAT # 11900010

Kit Contains:
1) 2" x 2" buckle w/3M® VHB adhesive
1) 1" x 30" Locking Strap w/D-ring
2) Surface prep pads
Instructions
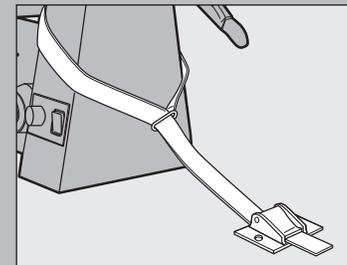
Used for: Countertop and desktop pedestal equipment.

Fig. A

Specialty

Gel Pad Fastener Kit
Color: Clear
Part # RDG141
FCAT # 11900001
Kit Contains:
4) 1" x 1" two-sided fasteners
2) Surface prep pads Instructions

Used for: Flat-bottomed equipment weighing less than 25 lbs.

Fire Extinguisher Strap

Color: Red/Yellow
Part # RWFX51
FCAT # 11900037

Kit Contains:
1) fire extinguisher strap
1) 1/4" metal stud toggler w/instructions
1) 1/4" metal stud screw
1) 1/4" wood stud screw
1) 1/4" x 1" washer
Instructions

Fig. A

PULL TAB TO RELEASE

Wall Board
Mounting Bracket
Strap
Wood Stud Screw
Washer
Stud

PULL TAB TO RELEASE

Side View   Front View
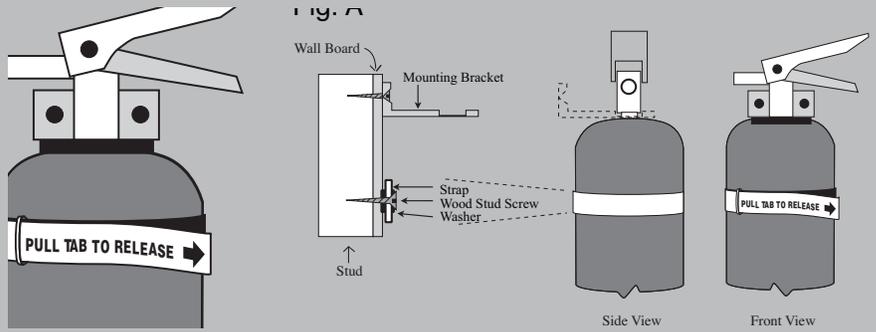
Used for: 5" diameter fire extinguishers

Flat Screen TV Strap

Color: Black
Part # 4520
FCAT # 11900000

Kit Contains:
2) 1" x 18" straps
2) Buckles (2" x 2") with 3M® ahdesive
2) 8mm x 20mm machine screw, 2) 8mm washers
2) 6mm x 16mm machine screw, 2) 6mm washers
2) wood screws, 2) alcohol pads • 1/4 oz. putty
2) surface prep pads • Instructions

Used for: Flat screen TVs, plasma & LCD TVs and large flat screen monitors.

Fig. A

Designed to adhere to flat, curved, or corner surfaces.

Fig. B

Velcro end of strap

Detail of how to thread cinch strap through buckle.
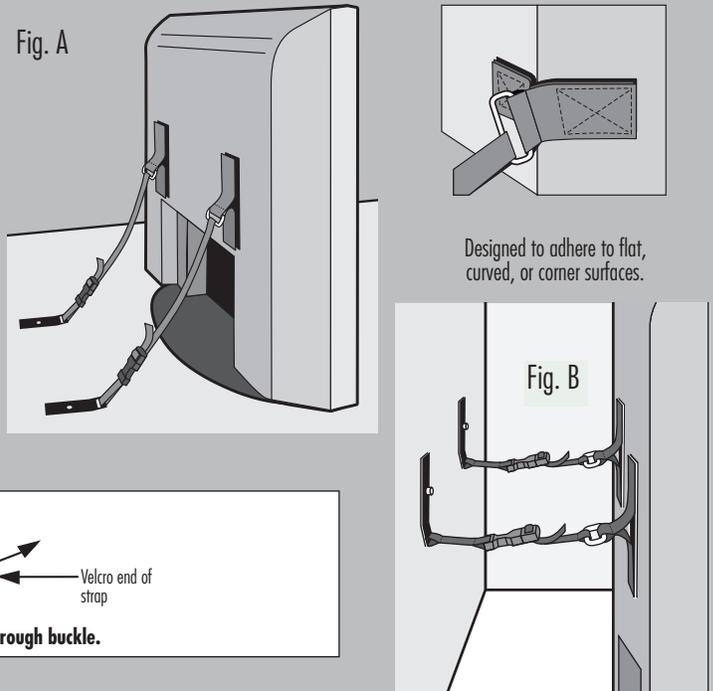
Refrigerator/Freezer Door Lock

Part # RSRDL1
FCAT # 11900027

Kit Contains:
1) Door Lock w/3M® VHB adhesive
2) Surface prep pads Instructions

Used for: Keeping refrigerator and freezer doors from coming open.

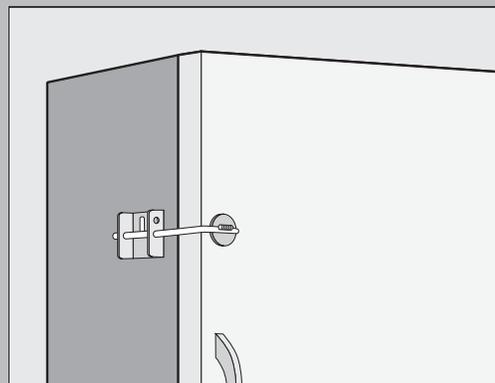| Pg #	Vendor#	Vendor Part#	FCAT#	Product Description
3	READY AMERICA	RWPBSSB	Push Button Strut Strap	New Items
3	READY AMERICA	RDFMBAR6	FlexMOUNT Bar	New Items
3	READY AMERICA	3RDFMT62	FlexMOUNTBase Buckle Straps	New Items
4	READY AMERICA	RDFM23C2	FlexMOUNT Cable Fasteners	New Items
4	READY AMERICA	RDFMV2	FlexMOUNT Flexible Contour Straps	New Items
4	READY AMERICA	RDFMMIC1	FlexMOUNT Bio Locking Lasso Strap	New Items
5	READY AMERICA	RFCB6H1	Corner Bracket	Floor Mount Stainless Steel
5	READY AMERICA	RZ0501	1" High Z-Bracket	Floor Mount Stainless Stee
5	READY AMERICA	RZ1001	2" High Z-Bracket	Floor Mount Stainless Ste
5	READY AMERICA	RFR90CBG1	90" Ratchet Strap w-Corner Bracket, Gray	Floor Mount
6	READY AMERICA	RFR30G1	30" Ratchet Strap, Gray	Floor Mount
6	READY AMERICA	RFR60G1	60" Ratchet Strap, Gray	Floor Mount
6	READY AMERICA	RFR90G1	90" Ratchet Strap, Gray	Floor Mount
6	READY AMERICA	RFR180G1	180" Ratchet Strap, Gray	Floor Mount
6	READY AMERICA	RW1S2X1	Flammable Cabinet Strut Fastener	Wall Mount
7	READY AMERICA	RW1X48B21	Wall Strap w-Side Release Buckle, Black	Wall Mount
7	READY AMERICA	RW1X48G21	Wall Strap w-Side Release Buckle, Gray	Wall Mount
7	READY AMERICA	RW2X12B1	FileSTRAP, Black	Wall Mount
7	READY AMERICA	RW2X12G1	FileSTRAP, Gray	Wall Mount
7	READY AMERICA	RG2X14B21	Ganging File Strap, Black	Wall Mount
7	READY AMERICA	RG2X14G21	Ganging File Strap, Gray	Wall Mount
8	READY AMERICA	RW2X48B21	Equipment Wall Strap, Black	Wall Mount
8	READY AMERICA	RW2X48W21	Equipment Wall Strap, White	Wall Mount
8	READY AMERICA	RWCTWB1	Cart-to-Wall Strap, Black	Wall Mount
8	READY AMERICA	RWCTWG1	Cart-to-Wall Strap, Gray	Wall Mount
8	READY AMERICA	RWSS2X48B1	StrutSTRAP w/Side Release Buckle, Black	Wall Mount
8	READY AMERICA	RWSS2X48W1	StrutSTRAP w/Side Release Buckle, White	Wall Mount
9	READY AMERICA	RWLFEB	Large Floor Equip Bio Coated StrutSTRAP, Black	Wall Mount
9	READY AMERICA	RQ4X4P1	4x4 Adhesive Plate Assembly	Wall Mount
10	READY AMERICA	RDT24B1	Equipment Fastener < 25 lbs, Black	Counter Top Equipment
10	READY AMERICA	RDT24G1	Equipment Fastener < 25 lbs, Gray	Counter Top Equipment
10	READY AMERICA	RDT44B1	Equipment Fastener < 50 lbs, Black	Counter Top Equipment
10	READY AMERICA	RDT44G1	Equipment Fastener < 50 lbs, Gray	Counter Top Equipment
10	READY AMERICA	RDT64B1	Equipment Fastener < 200 lbs, Black	Counter Top Equipment
10	READY AMERICA	RDT64G1	Equipment Fastener < 200 lbs, Gray	Counter Top Equipment
10	READY AMERICA	RDT64W1	Equipment Fastener < 200 lbs, White	Counter Top Equipment
11	READY AMERICA	RDHP2G1	HPLC 2-Stack Fastener Kit, Gray	Counter Top Equipment
11	READY AMERICA	RDHP3G1	HPLC 3-Stack Fastener Kit, Gray	Counter Top Equipment
11	READY AMERICA	RDHP4G1	HPLC 4-Stack Fastener Kit, Gray	Counter Top Equipment
11	READY AMERICA	RDHP5G1	HPLC 5-Stack Fastener Kit, Gray	Counter Top Equipment
11	READY AMERICA	RDHP6G1	HPLC 6-Stack Fastener Kit, Gray	Counter Top Equipment
11	READY AMERICA	RDHP7G1	HPLC 7-Stack Fastener Kit, Gray	Counter Top Equipment
11	READY AMERICA	RDHP8G1	HPLC 8-Stack Fastener Kit, Gray	Counter Top Equipment
12	READY AMERICA	RDSG1	LassoSTRAP for equipment < 25 lbs, Gray	Counter Top Equipment
12	READY AMERICA	RDSLG1	LassoSTRAP for equipment < 50 lbs., Gray	Counter Top Equipment
12	READY AMERICA	RDG141	Gel Pad Fastener Kit	Specialty
13	READY AMERICA	RWFX51	Fire Extinguisher Strap	Specialty
13	READY AMERICA	4520	Flat Screen TV Safety Strap	Specialty
13	READY AMERICA	RSRDL1	Refrigerator/Freezer Door Lock	Specialty

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