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Features & Benefits

freedomRail is a comprehensive, truly adjustable storage system that offers durable ventilated shelves, wood shelves and solid cabinetry to create beautiful, high efficiency storage solutions.

freedomRail has many unique components, including the O-Box, short for Organizational Box, which is a unique off-the-floor storage concept that provides solid cabinet options within an easy-to-install closet. O-Boxes are easily added to any freedomRail closet design and can be placed exactly where they are needed – they simply snap and lock into the freedomRail uprights.

Feature	Benefit
Easy to install	Quick project, doesn't require high skill level or fancy tools
Easy to adjust	Adjusts during installation for no wasted space; easily changes after installation for a lifetime of storage freedom
Easy to Customize and Upgrade	Add accessories where needed. Or start with the basics and add options as budgets/needs change
Varied Styles and Price Options	Style and price options to fit different tastes and budgets
Numerous O-Box Styles	O-Boxes provide easy to assemble, off-the-floor storage for items that aren't on hangers or shelves, and can be located exactly where needed along the uprights
Secure, durable rail as heart of the system	Hold the heaviest loads without bending or sagging. Full assurance that this product will last a lifetime; superior patented anchors hold tremendous weight

UPRIGHT SPACING			
	24"	30"	36"
Profile	100 lbs./ft.	75 lbs./ft.	50 lbs./ft.
Melamine	100 lbs./ft.	75 lbs./ft.	50 lbs./ft.
O-Boxes	250 lbs.	275 lbs.	

freedomRail® and Activity Organizers Ten Year Limited Warranty

SCHULTE Corporation warrants to the original consumer purchaser of properly installed SCHULTE freedomRail and Activity Organizers components, that its products used for indoor domestic/consumer purposes will remain free of any defects in materials and workmanship for a period of ten (10) years from the date of purchase. This warranty applies under conditions of normal use as a storage organization system. The word "defects", as used in this warranty, is defined as imperfections which impair the utility of the product.

In the case of installation of SCHULTE freedomRail and Activity Organizers components for industrial, commercial, or business purposes (non-domestic), or use for such purposes, these same products are warranted to be free of defects in materials and workmanship for a period of two (2) years from the date of purchase.

In case of any claim hereunder by a non-domestic use customer, such claim must be received by SCHULTE prior to a date ending on the second year after original purchase. In case of any claim hereunder, SCHULTE agrees, at its sole discretion, to provide replacement product (FOB at the SCHULTE plant in Bloomington, IN) or a refund of the original purchase price. All claims should be addressed to SCHULTE Corporation, 12115 Ellington Court, Cincinnati, Ohio 45249. Attn: Warranty Damages.

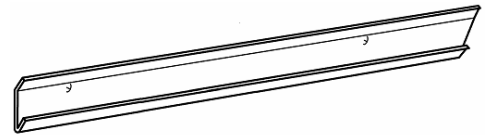
THIS WARRANTY EXCLUDES PRODUCT DAMAGE DUE TO IMPROPER INSTALLATION OR PRODUCT ABUSE OR MISUSE, WHETHER INFLICTED BY AN INSTALLING CONTRACTOR, SERVICE COMPANY OR OTHERS. SCHULTE WILL NOT BE RESPONSIBLE FOR LABOR, INSTALLMENT OR FREIGHT CHARGES AND/OR ANY DAMAGE INCURRED IN INSTALLATION, REPAIR OR REPLACEMENT, NOR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. NO IMPLIED WARRANTY SHALL EXCEED IN LENGTH THE SPECIFIC WARRANTY GIVEN HEREUNDER.

Some states, provinces and nations do not allow the exclusion or limitation of implied warranties, or of incidental or consequential damages so the above limitations or exclusions may not apply in every case. This warranty gives the owner specific legal rights, and the owner may also have other rights which may vary from state to state, province to province, and nation to nation.

Product Description

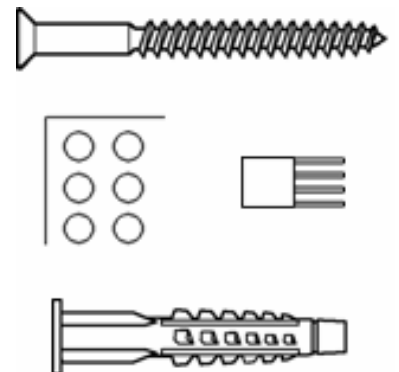
Hanging Rail

- The Hanging Rail is the primary support component of the freedomRail system.
- Once the Hanging Rail is mounted to the wall, all other components simply hang from it.
- Constructed of heavy duty, 12 gage steel with a durable baked-on epoxy finish.
- Beveled at the top to allow optional mounting into sill plate at ceiling height.
- With mounting hardware, does not need to be attached to studs.
- Hold 500 lbs per 40" of Hanging Rail.
- Available in 24", 40", 64" and 80" lengths.
- Available in White and Nickel.



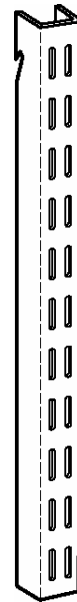
Strong-Loc Anchors and Screws

- Patented Anchors secure the rail to the wall.
- Each of these heavy duty Anchors spirals into a tight, 1/2" plastic ball behind the drywall surface.
- Cover Caps and Spacers included in package.
- Can be purchased in retail pack or bulk.



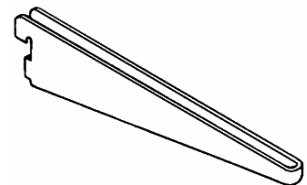
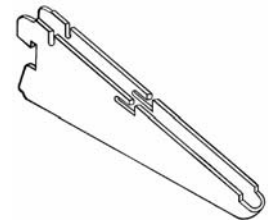
Hanging Upright

- Hanging Uprights are hung from the Hanging Rail.
- Double-slotted design accepts Brackets along 1" increments.
- Constructed of heavy duty, 12 gage steel with a durable baked-on epoxy finish.
- Uprights may be permanently attached to the wall (optional) using 7913-9137-11 Wall Screws, Anchors, and Spacers, or left unattached for greater adjustability.
- Available in 30", 48", 78" or 90" lengths.
- Available in White and Nickel.



Shelving Bracket

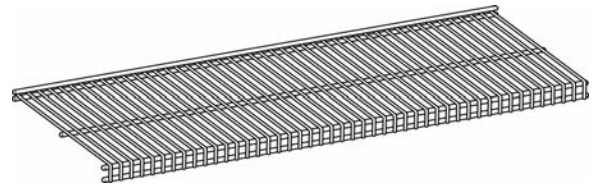
- Shelving Brackets come in two types:
 - Ventilated Shelving Brackets (VSBs)
 - Solid Shelving Brackets (SSBs)
- Brackets lock securely into the Uprights.
- Profile Shelves lock into VSB's allowing them to be moved while the shelf is still attached.
- Shelves may be securely fastened to SSBs with one of several available hardware items.
- Brackets are specially designed to receive Rod Clips that support Chrome Rods.
- Constructed of heavy duty steel in a double-body design.
- Available in White and Nickel.



Profile Shelving

- Profile Shelves are constructed of heavy gage steel with a durable, baked-on epoxy finish.
- The low "profile" front lip allows more storage space between shelves.
- Each Profile Shelf has double bars both front and rear for added strength.
- Profile Shelves snap securely into VSBs and are used either as storage shelves or as hanging shelves with the addition of Rod Clips and Chrome Rod.
- Available in White and Nickel.

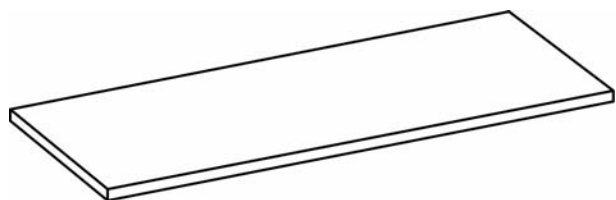
Depth	Length
9"	96"
12"	24", 30", 36", 48", 72" and 96"
16"	24", 30", 36", 48", 72" and 96"
20"	96"



Wood Shelving

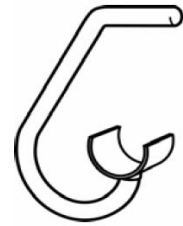
- 5/8" Wood Shelving is constructed of melamine laminated particle board with 1.4 mm radius edgeband on three sides.
- Wood Shelves are supported by SSBs.
- Shelves attach to brackets with available hardware items.
- Available in White, Maple and Cherry.
- 14" Deep product available in Veneers of Oak and Espresso.

Depth	Length
8"	24", 48" and 96"
12"	24", 36", 48" and 96"
14"	24", 30", 36", 48" 72" and 96"



Rod Clip

- Rod Clips are inserted into 12" and 16" VSBs and 12.5" SSBs in order to support clothes rods.
- Patented open-slide design allows easy passage of hangers.
- Rod Clips are simply inserted into the opening on the under-side of the brackets and then snap into place.
- Available in Chrome or Nickel.



Clothes Rod

- Chrome Rods simply snap into Rod Clips to provide a continuous-slide hanging rod anywhere within the closet.
- Constructed of heavy gage 1" tubing.
- Available in Chrome or Nickel.



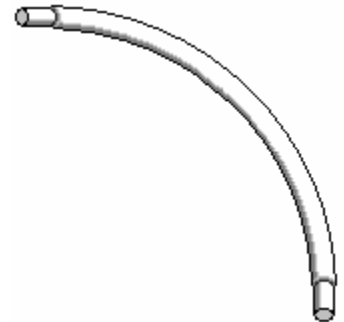
Rod Stops

- Rod Stops provide a convenient and secure "stop" for hangers gliding along the Clothes Rod.
- Snap easily into open ends of Clothes Rod, secured with a simple twist.
- Available in Chrome or Nickel.



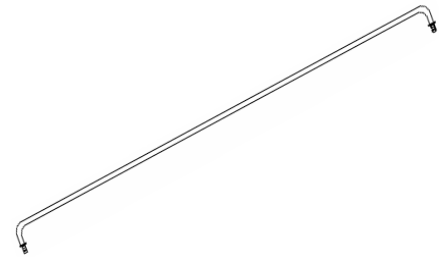
Corner Clothes Rod

- Hanging rod for 90 degree corner applications.
- Round-plated, steel rod with tapered ends to fit into normal clothes rod.
- Requires 24" of room into a corner and at least 24" of clothes rod attached to it.
- Requires another upright in the corner to hold up the shelf that goes into the corner.
- Available in Chrome and Nickel.



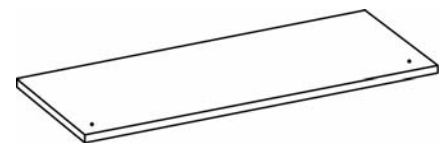
Chrome Shoe Fence

- Low Profile Shoe Fence.
- Used with any 24" or 30" Shelf and Angled Shoe Bracket.
- Installs by drilling into Shelf with Shoe Fence Template or into Pre-Drilled Low Profile Shoe Shelf.



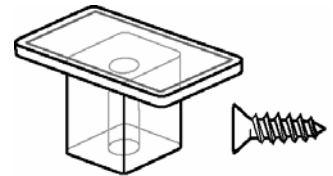
Pre-Drilled Low Profile Shoe Shelf

- For use with any 24" or 30" Shelf Fence and Angled Shoe Bracket.
- Shoe Fence gets installed into shelf and shelf is installed on the Angled Shoe Bracket.
- Comes in White, Maple and Cherry.



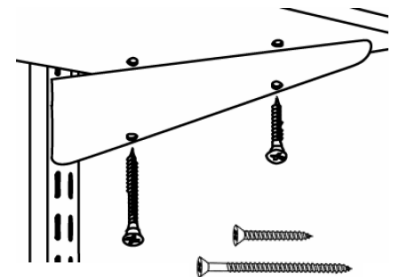
Shelf Locators

- Strong adhesive bond attaches to shelf to keep shelf from pulling off.
- Allows shelf to sit inside the bracket without being locked down.
- Screw included as optional.
- Sold in retail or bulk.



Shelf Screws

- Screws to permanently attach shelf to bracket in both the front and back.
- Sold in retail packs only.



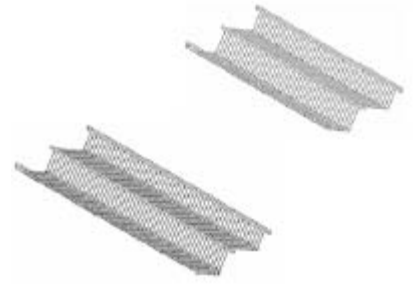
Heavy-Duty Shelf Locators

- Metal plate that screws to shelf and attaches to bracket with machine screw.
- Sold in retail packs only.



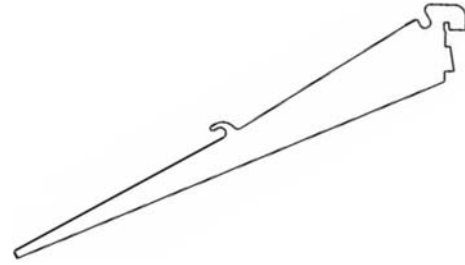
Tiered Profile Shelf

- Used on either Profile Angled Bracket or Ventilated Shelf Bracket.
- Comes in 24" and 30" Lengths.
- Available in White or Nickel.



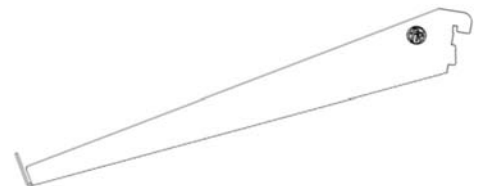
Profile Angled Bracket

- Used to create an Angled Shoe Shelf out of a Profile Shelf.
- Upside down Profile Shelf locks into Bracket.
- Useable with any length 12" Deep Shelf.
- Used with Tiered Profile Shelf to create Versatile Storage Shelf.
- Available in White or Nickel.



Angled Wood Shelf Bracket

- Used to create an Angled Shoe Shelf out of a Melamine shelf.
- Shelf attaches with Shelf Locators or Shelf Screws.
- Uses a 24" or 30" 14" deep Melamine shelf and Shoe Fence.
- Available in White or Nickel.



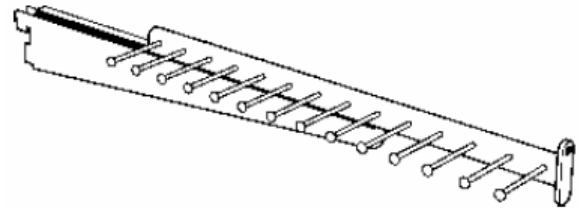
Valet Rod

- Mounted on a Solid Shelf Bracket.
- Used to display clothes already picked out for later time.
- Available in White and Nickel.



Tie Rack

- Mounted on a Solid Shelf Bracket.
- Pegs on one side only for use close to walls.
- Available in White and Nickel.



Label Holder

- Attaches with adhesive to the front of shelves.
- Has removable paper inserts.
- Available in Nickel.

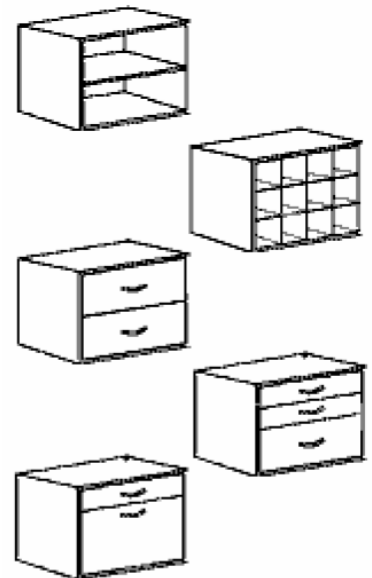


O-Box

- O-Box--short for "Organization Box"—is a modular cabinet that is 24"W x 16-1/4"H x 14"D for O-Boxes and 24"W x 9-1/2"H x 14"D for Double Hang O-Boxes.
- Recessed brackets allow O-Boxes to be mounted directly to Hanging Uprights.
- O-Boxes may be positioned side-by-side horizontally or stacked vertically within any closet, pantry, linen or laundry configuration.
- Each O-Box is packaged separately with all hardware needed for assembly and installation.
- O-Boxes are constructed of 5/8" furniture grade melamine, and are available in White, Maple and Cherry . Decorative O-Boxes available in Maple and Cherry only. Veneered O-Boxes are available in Oak and Espresso.

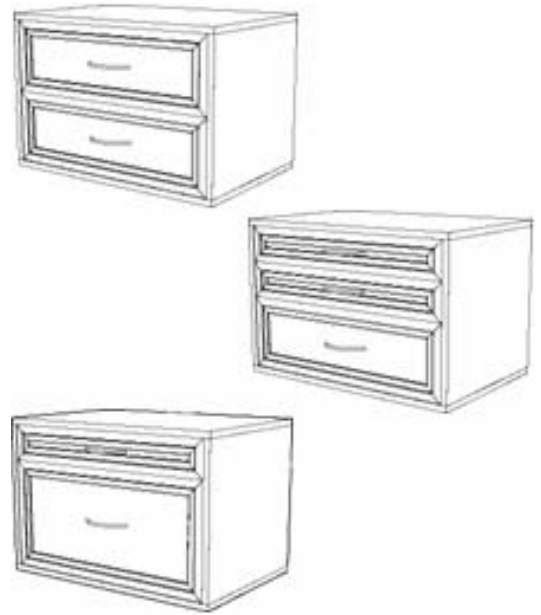
O-Box

- O-Box Shelf.
- O-Box Cubby.
- O-Box 2 drawer (two 6" drawers).
- O-Box 3 drawer (one 6" and two 3" drawers with built-in lock).
- O-Box Hanging File (one 3" and one 9" drawers with built-in lock).



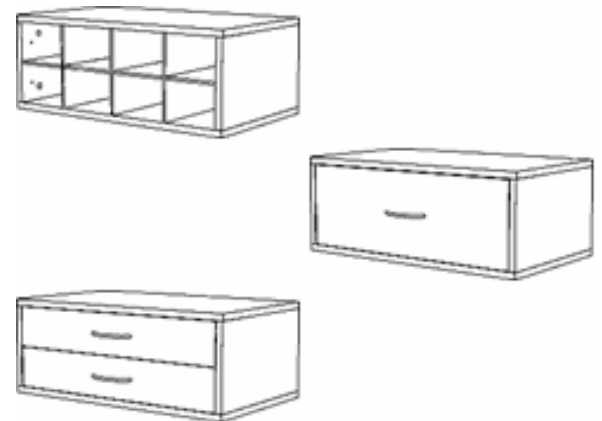
Decorative O-Box

- Decorative O-Box 2 Drawer (two 6" drawers).
- Decorative O-Box 3 Drawer (one 6" and two 3" drawers with built-in lock).
- Decorative O-Box Hanging File (one 3" and one 9" drawers with built-in lock).



Double Hang O-Box

- Double Hang O-Box Cubby.
- Double Hang O-Box 1 Drawer.
- Double Hang O-Box 2 Drawer.



Decorative Double Hang O-Box

- Decorative Double Hang O-Box 1 Drawer.
- Decorative Double Hang O-Box 2 Drawer.

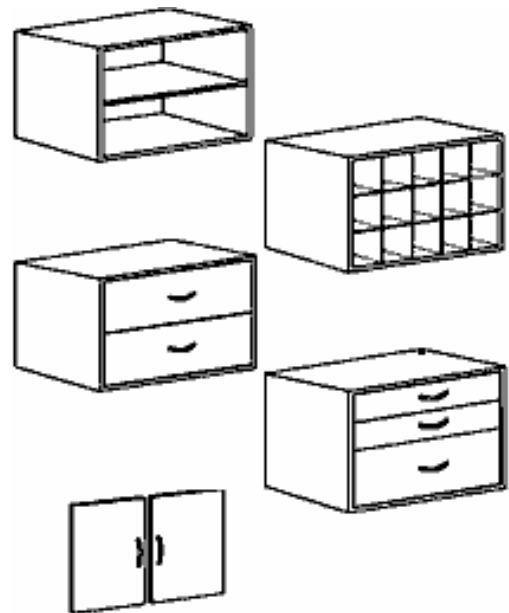


Big O-Box

- Big O-Box--short for "Big Organization Box"-- is a modular cabinet that is 30"W x 20"H x 16"D, Big Double Hang O-Boxes are 30"W x 9 1/2" H x 14"D.
- Recessed brackets allow Big O-Boxes to be mounted directly to Hanging Uprights.
- Big O-Boxes may be positioned side-by-side horizontally or stacked vertically within any closet, pantry, linen or laundry configuration.
- Each Big O-Box is packaged separately with all hardware needed for assembly and installation.
- Big O-boxes are constructed of 5/8" furniture grade melamine and are available in White, Maple and Cherry. Decorative Big O-Boxes available in Maple and Cherry only. Veneered Big O-Boxes are available in Oak and Espresso.

Big O-Box

- Big O-Box Shelf Unit(Doors sold separately).
- Big O-Box Cubby.
- Big O-Box 2 Drawer (two 6 1/2" drawers).
- Big O-Box 3 Drawer (one 6 1/2" and two 4 3/4" drawers with built-in lock).
- Big O-Box Doors.



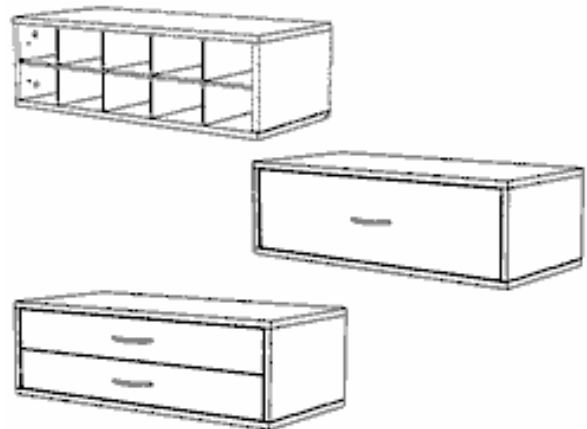
Decorative Big O-Box

- Decorative Big O-Box 2 Drawer (two 6 1/2" drawers).
- Decorative Big O-Box 3 Drawer (one 6 1/2" and two 4 3/4" drawers with built-in lock).
- Decorative Big O-Box Doors.



Double Hang Big O-Box

- Double Hang Big O-Box Cubby.
- Double Hang Big O-Box 1 Drawer.
- Double Hang Big O-Box 2 Drawer.



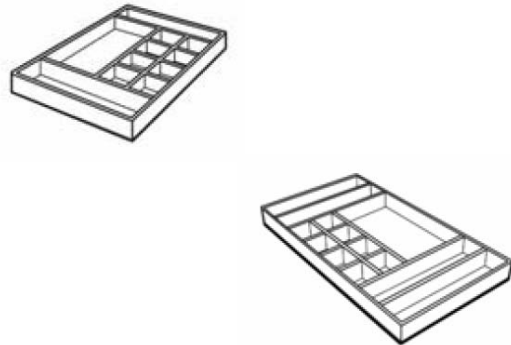
Decorative Double Hang Big O-Box

- Decorative Double Hang Big O-Box 1 Drawer.
- Decorative Double Hang Big O-Box 2 Drawer.



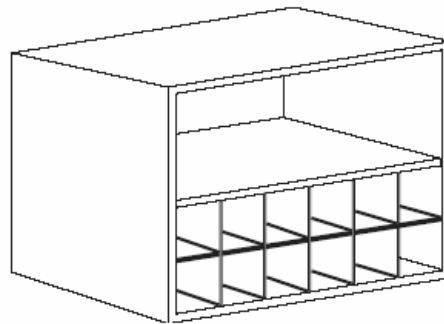
Jewelry Insert, Black for O-Box and Big O-Box

- Used in the top drawers of a 3 Drawer O-Box or Big O-Box.
- Black Jewelry Insert fits snugly in drawer.



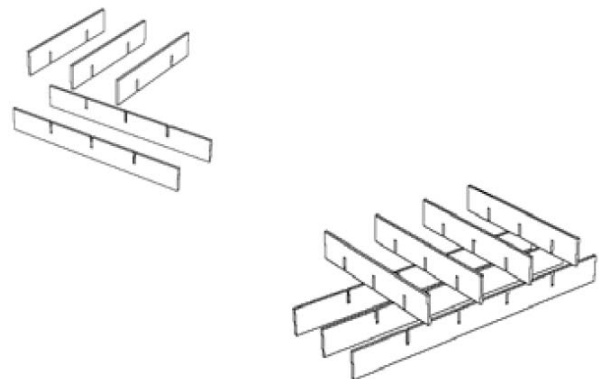
Wine Cubby

- Used in an O-Box Shelf Unit.
- Holds up to 12 bottles of wine.
- Available in White Only.



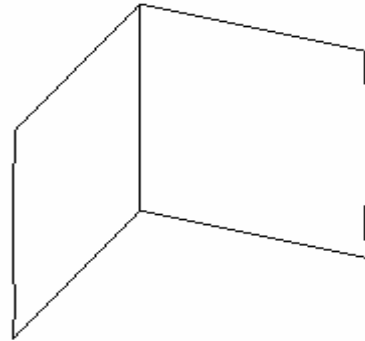
Drawer Divider

- Used in the top drawer of a 3 Drawer O-Box.
- Fits snugly in drawer.
- Available in White, Maple and Cherry.



O-Box Back

- Backing Material matches O-Box colors
- Nails included to attach to O-Box.
- Fits O-Box and Big O-Box.



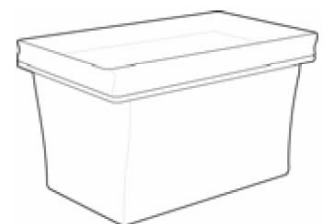
Chrome Baskets for O-Box and Big O-Box

- Fits in O-Box and Big O-Box Shelf Unit.
- Comes with all hardware.
- Available in 6", 13" and 16" sizes.



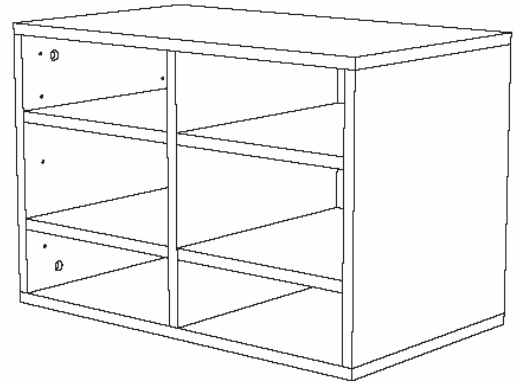
fR Canvas Liner for Baskets

- Fits easily in O-Box Chrome Baskets.
- Fits in 6" and 13" Baskets.
- Comes in Chocolate and Oatmeal colors.



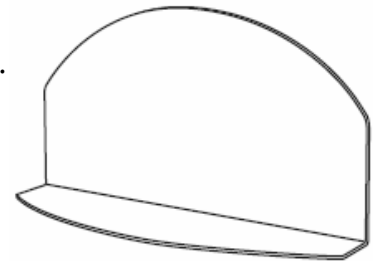
O-Box Paper Sorter

- Fits in O-Box Shelf Unit.
- Comes with all hardware.
- Available in all O-Box colors.



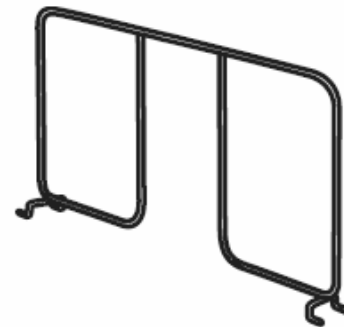
Acrylic Shelf Divider

- Attaches to 14" Melamine Shelves with double sided tape.
- Sold in pairs.
- Available in Frosted Acrylic.



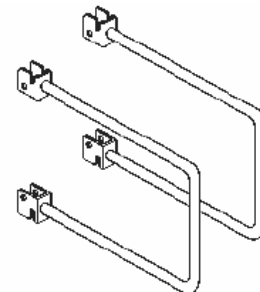
Wire Shelf Divider

- Used with 12" and 16" Profile Shelves.
- Clips on Profile Shelves.
- Available in White and Nickel.



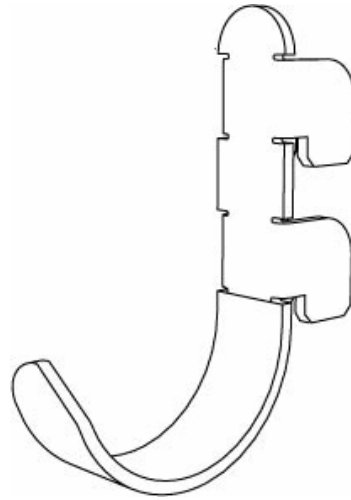
Book Ends

- Attaches to Uprights by clipping into place.
- Sold in pairs.
- Available in White.



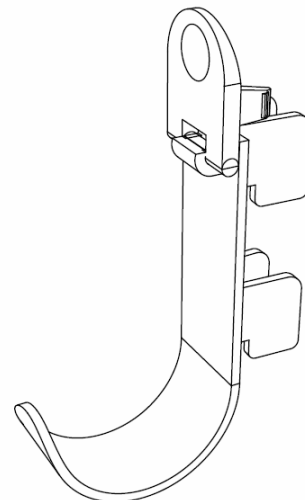
Single Hook

- Attaches securely to Upright or Spanner.
- Multipurpose Hook.
- Comes in pack of 4.
- Available in White and Nickel.



Single Hook with Lock

- Attaches securely to Upright or Spanner.
- Locks in place with patented locking mechanism.
- Multipurpose Hook.
- Comes in pack of 4.
- Available in White and Nickel.



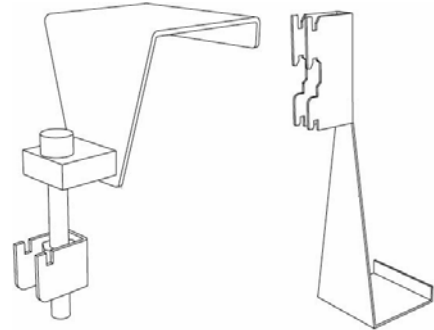
Profile Shelf Hook

- Attaches securely to Profile Shelf.
- Multipurpose Hook.
- Comes in pack of 4.
- Available in White and Nickel.



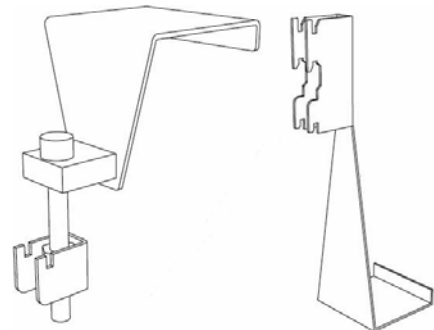
Over The Door Top/Bottom Capture

- Used to hold an upright onto a door by capturing the top and bottom of a door.
- Can be adjusted to fit most height doors.
- Holds accessories that attach to a single upright.
- Available in White and Nickel.



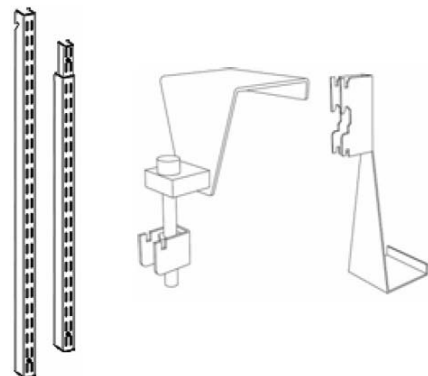
Over The Door Large Top/Bottom Capture

- Used to hold an Upright onto a door by capturing the top and bottom of a commercial-sized door.
- Can be adjusted to fit most height doors.
- Holds accessories that attach to a single upright.
- Available in White and Nickel.



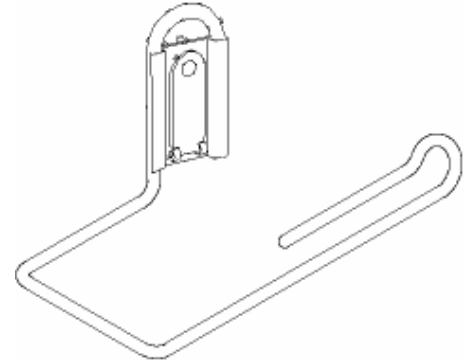
Over The Door Hardware

- Box that contains a Top/Bottom Capture and a 2 piece Upright.
- Can be adjusted to fit most height doors.
- Holds accessories that attach to a single Upright.
- Available in White and Nickel.



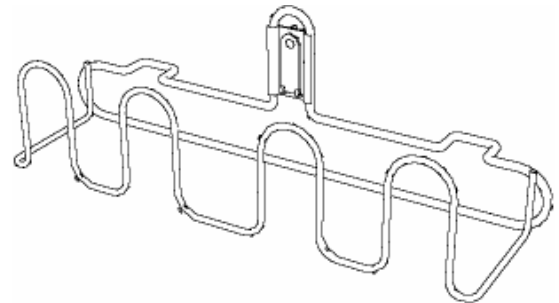
Over The Door – Paper Towel Holder

- Can be attached to the Spanner or a single Upright to allow versatility.
- Holds one roll of paper towels.
- Patented locking system ensures secure fit.
- Available in White and Nickel.



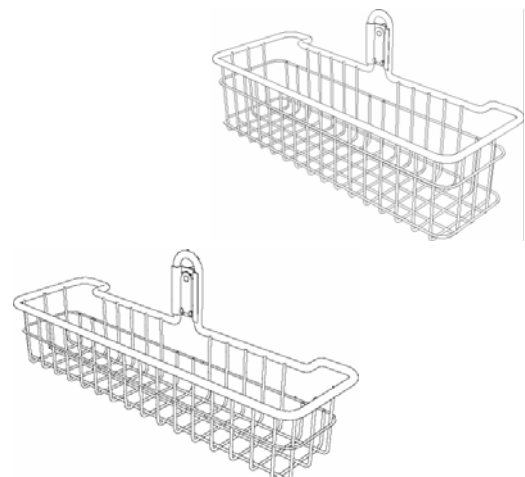
Over The Door – Shoe Rack

- Can be attached to the Spanner or a single Upright to allow versatility.
- Securely holds 2 pairs of shoes.
- Patented locking system ensures secure fit.
- Available in White Nickel.



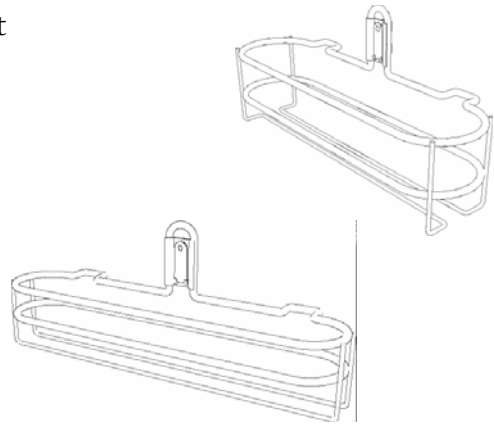
Over The Door – Basket

- Can be attached to the Spanner or a single Upright to allow versatility.
- Tight Mesh bottom keeps items from falling through the basket.
- 18" X 6" and 18" X 4" Sizes
- Patented locking system ensures secure fit.
- Available in White and Nickel.



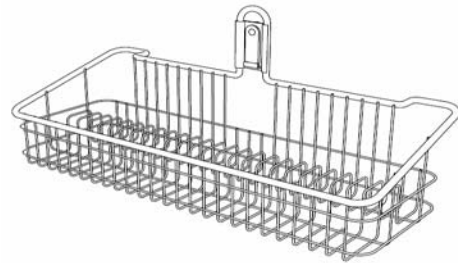
Over The Door – Can Holder

- Can be attached to the Spanner or a single Upright to allow versatility.
- Holds 2 different size cans and items in place.
- Patented locking system ensures secure fit.
- Available in White and Nickel.



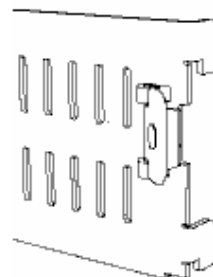
Over The Door – DVD/CD Holder

- Can be attached to the Spanner or a single Upright to allow versatility.
- Holds up to 26 CD's or DVD's
- Patented locking system ensures secure fit.
- Available in White and Nickel.



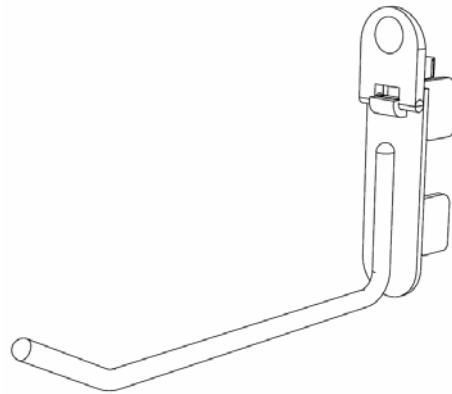
Spanner

- Available for either 24" or 30" increments.
- Allows accessories to be placed anywhere between uprights.
- Plastic Clips lock the spanner into place.
- Accepts "Akro" bins by attaching to the lip on top of the Spanner.
- Available in White and Nickel.



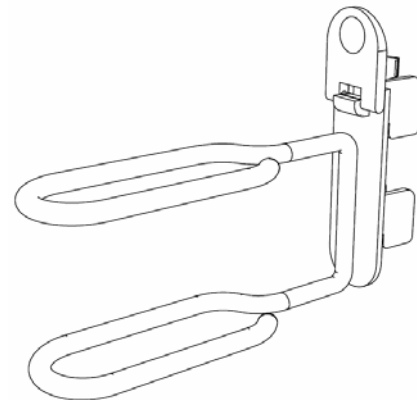
Utility Hook

- Easily attaches to both the Spanner and Uprights.
- Locks in place with patented locking mechanism.
- Versatile hook with unlimited storage uses.
- Comes in packs of 4.
- Available in White and Nickel.



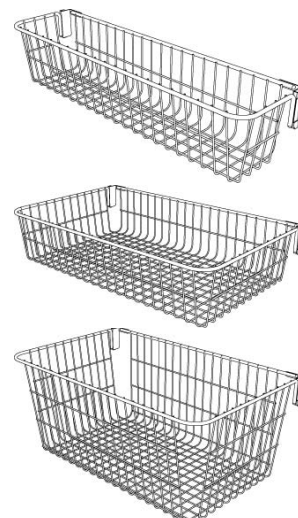
Tool Loop Hook

- Easily attaches to both the Spanner and Uprights.
- Locks in place with patented locking mechanism.
- Loop design holds tools in place.
- Available in White and Nickel.



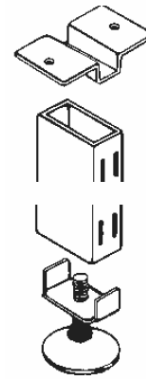
Work Baskets

- Work Baskets are attached to uprights that are placed 30" apart.
- Used to organize cluttered places and clear up all size of items.
- Baskets available in 3 sizes:
 - 30" Wide X 7.5" Deep X 6.5" High
 - 30" Wide X 17.5" Deep X 6.5" High
 - 30" Wide X 17.5" Deep X 13" High
- Available in White.



Floor-to-Ceiling Uprights

- Used in Peninsula applications.
- Attaches to stud in ceiling.
- Double-sided Uprights allow for storage on both sides.
- Available in White.



Wall Mount Uprights

- Used to create a stack of shelves.
- Not recommended for closets where the Hanging Rail would be much easier to install and level.
- Wall Mount Uprights are mounted into studs.
- Spacing: Every 32" for normal loads and every 16" for heavier loads, including pantry.
- Available in 6-3/4", 16-3/4", 28", 39-1/4", 48", 63", 78" and 94-1/4" lengths.
- Available in White only.



Profile Shelf End Caps

- Finishes off the ends of any cut Profile shelf.
- Sold in retail pack or bulk.



ADJUSTABLE STORAGE SYSTEM HANGING RAIL & HANGING UPRIGHTS

GENERAL INFORMATION:

- System relies on horizontal Rail as primary structural support.
- Vertical Uprights hang from the Rail and are not dependent on stud locations.
- All components designed with adjustability in mind.

COLORS:

- White (-11)
- Nickel (-45)
- Granite (-50)

MATERIAL SPECIFICATIONS:

- .079" (2.0mm) 1008 steel.

INSTALLATION:

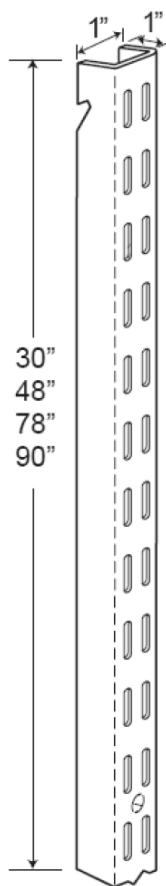
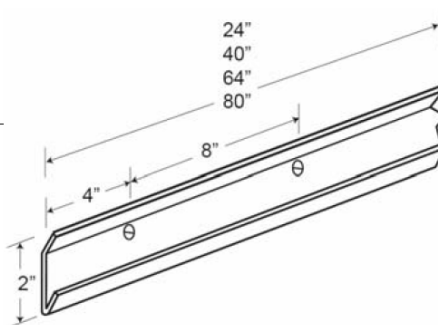
- Countersunk holes in the Hanging Rail are placed every 8" on center. Hardware provided in the #9137 package enables mounting into:
 - hollow walls
 - studs
 - masonry
- When installing into drywall, use 7913-9137-11, Universal Anchor.
- Use Rail mounting holes every 8".
- Uprights are then hung from the Rail. A 9/32" hole in the bottom of the Upright further secures Upright to wall using a #10 x 2 3/4" Flathead Screw with Universal Anchor and spacer. This procedure is not necessary but eliminates possible swaying of the upright.
- For heavier loads, secure the Hanging Rail into studs every 16". Space Hanging Uprights every 24".

UPRIGHT SPACING & WEIGHT CAPACITIES:

- General spacing of Uprights depends on the type of shelf and the desired use. See chart below for detail on spacing guidelines.
- Weight capacities depend on the type of shelf used and the spacing of Uprights. See chart below for weight guidelines.

MISCELLANEOUS:

- All measurements are $\pm 1/8"$ (2mm).
- Drawings are not to scale.
- See Bracket Specifications for load capacities.



Hanging Upright Spacing			
	24"	30"	36"
Profile	100 lbs./ft.	75 lbs./ft.	50 lbs./ft.
Melamine	100 lbs./ft.	75 lbs./ft.	50 lbs./ft.
O-Boxes	250 lbs.	275 lbs.	

HANGING RAIL

7913-4424-11 (-45,-50)

Length: 24" (61.0 cm)
Screw Holes: 3
Weight Ea: 1.25 lbs (56 kg)
Case: 8

7913-4440-11 (-45,-50)

Length: 40" (101.6 cm)
Screw Holes: 5
Weight Ea: 1.55 lbs (70 kg)
Case: 8

7913-4464-11 (-45,-50)

Length: 64" (154.9 cm)
Screw Holes: 7
Weight Ea: 2.32 lbs (1.05 kg)
Case: 8

7913-4080-11 (-45,-50)

Length: 80" (203.2 cm)
Screw Holes: 9
Weight Ea: 3.08 lbs (1.40 kg)
Case: 8

HANGING UPRIGHTS

7913-3530-11 (-45)

Length: 30" (76.2cm)
Screw Holes: 1
Weight Ea: 3.16 lbs (179 kg)
Case: 6

7913-3548-11 (-45,-50)

Length: 48" (121.9cm)
Screw Holes: 1
Weight Ea: 1.68 lbs (.627 kg)
Case: 6

7913-3578-11 (-45,-50)

Length: 78" (198.1cm)
Screw Holes: 1
Weight Ea: 2.73 lbs (1.018 kg)
Case: 6

7913-3590-11 (-45,-50)

Length: 90" (228.6cm)
Screw Holes: 1
Weight Ea: 7.68 lbs (2.866 kg)
Case: 6

ADJUSTABLE STORAGE SYSTEM WALL MOUNTED UPRIGHTS

GENERAL INFORMATION:

- Uprights are used with brackets and shelving to create adjustable storage solutions.
- Can be mounted on studs, concrete and hollow wall.
- A 9/32" countersunk hole is pre-positioned in each Upright for #10 Flathead Wood Screw.

COLORS:

- White (-11)
- Black (-14)
- Almond (-12)
- Granite (-50)

MATERIAL SPECIFICATIONS:

- .071" (1.8mm) 1008 steel.

INSTALLATION:

- Requires 7913-9137-11. This package includes Universal Anchors, #10 x 2-3/4" Flat head Wood Screws, and Spacers to install in all applications, including studs, and solid or hollow walls.
- When installing consecutive Uprights, level the top mounting holes in each wall surface. Do not use ends of Uprights to level.

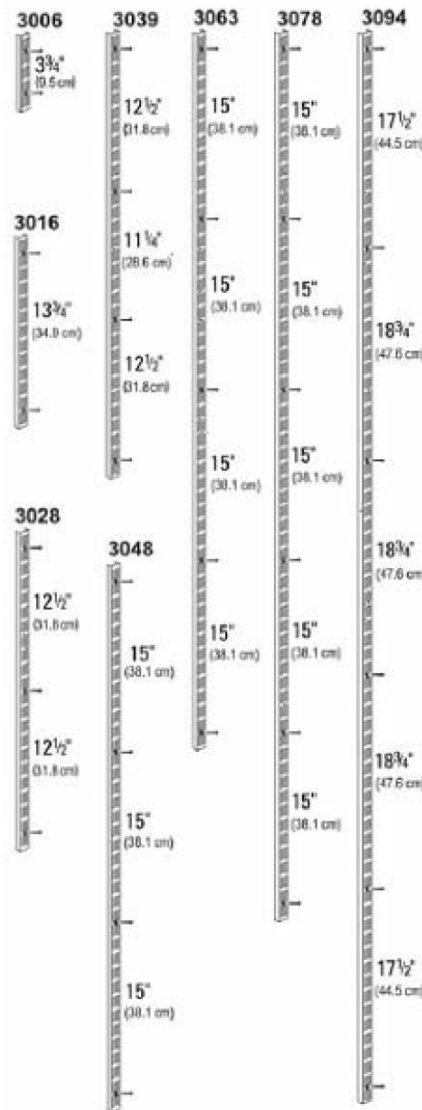
UPRIGHT SPACING:

- General Spacing of Uprights should be every 32" for most applications, placing Brackets where Shelves cross Uprights. (i.e.) Pantry, Wardrobe
- For heavier, more demanding loads, such as aquariums and store fixtures, spacing of Uprights and Brackets should be every 16" on the stud. Also:
 - For added support, do not place Bracket into last two sets of slots on Upright.

NOTE: If Uprights cannot be spaced to mount into studs for heavier loads, use the Hanging Rail System and mount into studs.

MISCELLANEOUS:

- All measurements are $\pm 1/8"$ (2mm).
- Drawings are not to scale.
- See Bracket specifications for load capacities.



* Above dimensions are the distances between holes

WALL MOUNTED UPRIGHTS

7913-3006-11 (-12,-14)

Length: 6.75" (17 cm)
Screw Holes: 2
Sets of Slots: 5
Weight Ea: .50lbs (.23kg)
Case: 20

7913-3016-11 (-12,-14)

Length: 16.75" (43 cm)
Sets of Slots: 13
Screw Holes: 2
Weight Ea: .70 lbs (.32kg)
Case: 20

7913-3028-11 (-12,-14)

Length: 28" (71 cm)
Sets of Slots: 22
Screw Holes: 3
Weight Ea: 1.20 lbs (.55 kg)
Case: 10

7913-3039-11 (-12,-14)

Length: 39.25" (100 cm)
Sets of Slots: 31
Screw Holes: 4
Weight Ea: 1.5 lbs (.55 kg)
Case: 10

7913-3048-11 (-12,-14,-50)

Length: 48" (122 cm)
Sets of Slots: 38
Screw Holes: 4
Weight Ea: 2.0 lbs (.91kg)
Case: 10

7913-3063-11 (-12,-14)

Length: 63" (160 cm)
Sets of Slots: 50
Screw Holes: 5
Weight Ea: 2.5 lbs (1.14kg)
Case: 10

7913-3078-11 (-12,-14,-50)

Length: 78" (198 cm)
Sets of Slots: 62
Screw Holes: 6
Weight Ea: 3.0 lbs (1.36 kg)
Case: 10

7913-3094-11 (-12,-14)

Length: 94.25" (240 cm)
Sets of Slots: 75
Screw Holes: 6
Weight Ea: 3.8 lbs (1.73 kg)
Case: 10

ADJUSTABLE STORAGE SYSTEM

SHELF BRACKETS

GENERAL INFORMATION:

- Double wall construction provides adjustability in heavy-duty applications.
- Four tabs allow Brackets to mount into Uprights.
 - Top two tabs hold weight,
 - Bottom two tabs stabilize Bracket and prevent it from being knocked up and out of Upright.
- Bracket lengths represent the overall length from the face of the Upright.
- Bracket extends at a 1° incline from back of Bracket (with exception of SSB 7913-1413-11 which extends 90° to match angle when placed next to O-Box).
- Bracket load capacity calculated assuming even loading over length of Bracket.
- Weight load capacity of Brackets depends upon properly installed Uprights.
- All Brackets fit all Uprights.

COLORS:

- White (-11) in all sizes.
- Nickel (-45) in 12", 16" and PAB.
- Granite (-50) in 12" and 16" sizes.

MATERIAL SPECIFICATIONS:

Brackets:

- .065 (1.6mm) 1008 steel.
- Single piece of formed steel.

INSTALLATION:

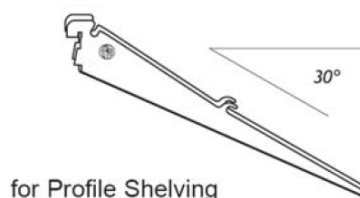
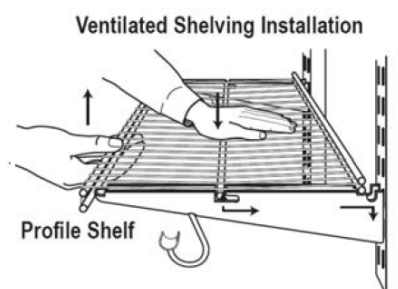
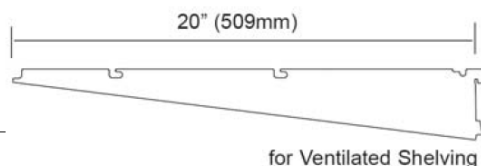
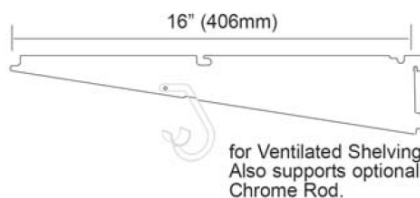
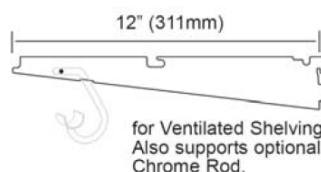
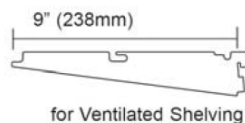
- Ventilated Shelves snap and lock into Bracket without additional hardware (see below) and cannot be unintentionally removed.

BRACKET/UPRIGHT SPACING:

- General Spacing of Uprights and Brackets –
 - Profile Shelving, Melamine Shelving:
 - 36" - standard closet use.
 - 30" - pantries or garages
 - 24" - extra heavy-duty use
 - Other Ventilated Shelving:
 - 30" - standard closet use
 - 24" - heavy-duty use

MISCELLANEOUS:

- All measurements are $\pm 1/8"$ (2mm).
- Drawings are not to scale.



VENTILATED SHELVING BRACKETS (VSB)

7913-1309-11

Type of Shelf: Ventilated
Length: 9.375" (238mm)
Load Capacity: 110 lbs (50 kg)
Weight Ea: 1 lbs (.05 kg)
Case: 10 or 50

7913-1412-11 (-45, -50)

Type of Shelf: Ventilated
Length: 12.25" (311mm)
Load Capacity: 110 lbs (59 kg)
Weight Ea: .6 lbs (.28 kg)
Case: 10 or 50

7913-1416-11 (-45, -50)

Type of Shelf: Ventilated
Length: 16.25" (406mm)
Load Capacity: 140 lbs (77 kg)
Weight Ea: 1.2 lbs (.58 kg)
Case: 10 or 30

7913-1320-11 (-45)

Type of Shelf: Ventilated
Length: 20.05" (509mm)
Load Capacity: 130 lbs (59 kg)
Weight Ea: 2 lbs (.91 kg)
Case: 10

PROFILE ANGLED BRACKET (PAB)

7913-1313-11 (-45)

Type of Shelf: Ventilated
Length: 12.0 (305mm)
Load Capacity: 100 lbs/45 kg
Weight Ea: 1 lbs (.45 kg)
Case: 10

ADJUSTABLE STORAGE SYSTEM

SHELF BRACKETS

GENERAL INFORMATION:

- Double wall construction provides adjustability in heavy-duty applications.
- Four tabs allow Brackets to mount into Uprights.
 - Top two tabs hold weight,
 - Bottom two tabs stabilize Bracket and prevent it from being knocked up and out of Upright.
- Bracket lengths represent the overall length from the face of the Upright.
- Bracket extends at a 1° incline from back of Bracket.
- Bracket load capacity calculated assuming even loading over length of Bracket.
- Weight load capacity of Brackets depends upon properly installed Uprights.
- All Brackets fit all Uprights.

COLORS:

- White (-11)
- Nickel (-45)

MATERIAL SPECIFICATIONS:

Brackets:

- .065 (1.6mm) 1008 steel.
- Single piece of formed steel.

INSTALLATION:

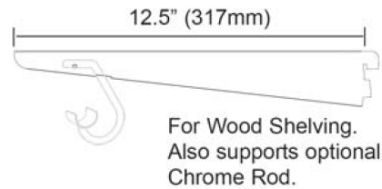
- Wood shelves are secured to Brackets using Shelf Locators (double face tape) or Shelf Screws (for more permanent applications).

BRACKET/UPRIGHT SPACING:

- General Spacing of Uprights and Brackets --
Melamine Shelving:
 - 36" - standard closet use.
 - 30" - pantries or garages
 - 24" - extra heavy-duty use

MISCELLANEOUS:

- All measurements are $\pm 1/8"$ (2mm).
- Drawings are not to scale.



SOLID SHELF BRACKET (SSB)

7913-1413-11 (-45)

Type of Shelf	Wood
Length:	12.5 (317.5mm)
Load Capacity:	130 lbs (59 kg)
Weight Ea:	.74 lbs (.276 kg)
Case:	10

Compatibility Guide for all Brackets and Shelves

	-1413 SSB	-1309 VSB	-1412 SSB	-1416 VSB	-1320 VSB
Melamine Shelf, 14"	✓				
Profile Shelf, 9"		✓			
Profile Shelf, 12"			✓		
Profile Shelf, 16"				✓	
Profile Shelf, 20"					✓
Shelf & Rod, 12"			✓		
Shelf & Rod, 16"				✓	
Tight-Mesh, 12"			✓		
Tight-Mesh, 16"				✓	
Storage Shelf, 12"			✓		
Storage Shelf, 16"				✓	
Open Slide® II, 12"			✓		
Open Slide® II, 16"			✓		

ADJUSTABLE STORAGE SYSTEM SOLID SHELF BRACKETS

GENERAL INFORMATION:

- Bracket requires 2 sets of slots (2") on the Upright.
- Four tabs fit into Upright slots.
 - Top two tabs hold weight,
 - Bottom two tabs stabilize Bracket and prevent it from being knocked straight up and out of Upright.
- Bracket lengths represent the overall length from the face of the Upright.
- Bracket extends at a 1° incline from back of Bracket.
- Bracket load capacity was calculated assuming even loading over length of Bracket.
- Weight load capacity of Brackets depend upon the integrity of Upright installation and shelving material used.
- All Brackets fit all Uprights.

COLORS:

- White (-11)
- Nickel (-45)
- Granite (-50)

MATERIAL SPECIFICATIONS:

- .065" (1.6mm) 1008 steel.
- Single piece of formed steel.

INSTALLATION:

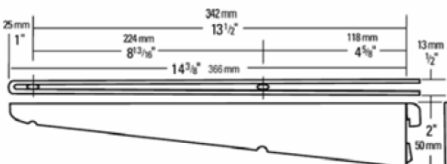
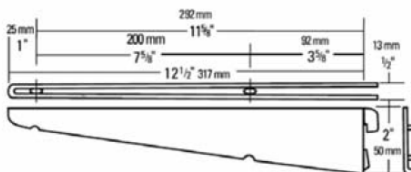
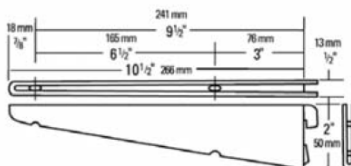
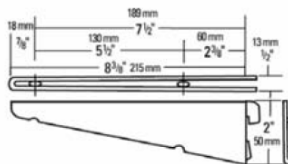
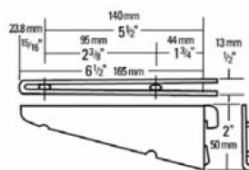
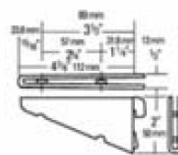
- Shelving may be attached to Brackets through the use of 7913-9158 Shelf Locators (doubleface tape application).
 - More permanent shelf-to-bracket attachment can be achieved with 7913-9155 Shelf Screws.
 - Two holes on the bottom of each Bracket are countersunk for #6 Flathead Wood Screws to attach Shelving.
 - Required screw lengths are:
 - Hole 1: #6 x 1-1/8" (29mm)*
 - Hole 2: #6 x 2" (50mm)*
- *Assumes wood penetration of 1/2".

BRACKET/UPRIGHT SPACING:

- General Spacing of Uprights and Brackets should be every 32" for most applications, placing Brackets where Shelves cross Uprights. (i.e.) Pantry, Wardrobe
- For heavier, more demanding loads, such as aquariums and store fixtures, use Heavy-Duty Brackets, and follow Wall Mounted Uprights spacing instructions for heavier loads (every 16").

MISCELLANEOUS:

- All measurements are ± 1/8" (2mm).
- Drawings are not to scale.



SOLID SHELF BRACKETS

7913-1004-11 (-12,-14)

Length: 4.5"(112 mm)
Load Capacity: 290 lbs(132 kg)
Weight Ea: .24 lbs(.11 kg)
Case: 10 or 50

7913-1006-11 (-12,-14)

Length: 6.5"(165 mm)
Shelf Size: 6.5" to 8.5"
Load Capacity: 240 lbs(109 kg)
Weight Ea: .32 lbs(.15 kg)
Case: 10 or 50

7913-1008-11 (-12,-14)

Length: 8.5"(215 mm)
Shelf Size: 8.5" to 10.5"
Load Capacity: 190 lbs(86 kg)
Weight Ea: .42 lbs(.20 kg)
Case: 10 or 50

7913-1010-11 (-12,-14)

Length: 10.5"(265 mm)
Shelf Size: 10.5" to 12.5"
Load Capacity: 160 lbs(73 kg)
Weight Ea: .54 lbs(.25 kg)
Case: 10 or 50

7913-1012-11 (-12,-14)

Length: 12.5"(317 mm)
Shelf Size: 12.5" to 14.5"
Load Capacity: 130 lbs(59 kg)
Weight Ea: .60 lbs(.27 kg)
Case: 10 or 50

7913-1014-11 (-12,-14)

Length: 14.5"(366 mm)
Shelf Size: 14.5" to 18.5"
Load Capacity: 110 lbs(50 kg)
Weight Ea: .73 lbs(.33 kg)
Case: 10 or 50

ADJUSTABLE STORAGE SYSTEM

HEAVY-DUTY BRACKETS

GENERAL INFORMATION:

- Heavy-Duty Brackets take up 3 sets of slots (3") on the Upright.
- Reinforced Brackets takes up 4 sets of slots (4") on the Upright.
- Four tabs fit into Upright Track.
 - Top two tabs hold weight,
 - Bottom two tabs stabilize Bracket and prevent it from being knocked straight up and out of Upright.
- Bracket lengths represent the overall length from the face of the Upright.
- Bracket extends at a 1° incline from back of Bracket.
- Bracket load capacity is calculated assuming even loading over length of bracket.
- Weight load capacity of Brackets depend upon the integrity of Upright installation and shelving material used.
- Heavy-Duty Brackets should be used for heavier, more demanding loads such as aquariums and store fixtures. Also reference Upright Spacing.
- All Brackets fit all Uprights.

COLORS:

- White (-11)
- Black (-14)
- Almond (-12)

MATERIAL SPECIFICATIONS:

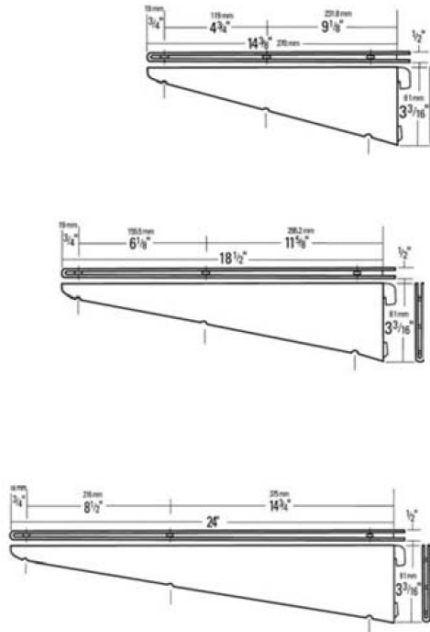
- .065" (1.6mm) 1008 steel.
- Single piece of formed steel.

INSTALLATION:

- All Bracket holes are countersunk for #6 Flathead Wood Screws to attach Shelving.
 - Required lengths are:
 - Hole 1: #6 x 1-1/8" (29mm)*
 - Hole 2: #6 x 2" (50mm)*
 - Hole 3: #6 x 3" (76mm)*
 - * Assuming wood penetration of 1/2".

MISCELLANEOUS:

- All measurements are ± 1/8" (2mm).
- Drawings are not to scale.



HEAVY-DUTY BRACKETS

7913-1114-11 (-12,-14)

Length:	14.5\"(366 mm)
Shelf Size:	14.5\" to 18.5\"
Load Capacity:	200 lbs(91 kg)
Weight Ea:	1 lb(.45 kg)
Case:	10 or 50

7913-1118-11 (-12,-14)

Length:	18.5\"(478 mm)
Shelf Size:	18.5\" to 24\"
Load Capacity:	175 lbs(80 kg)
Weight Ea:	1.2 lbs(.54 kg)
Case:	10

7913-1124-11 (-12,-14)

Length:	24\"(608 mm)
Shelf Size:	24\" to 28.5\"
Load Capacity:	165 lbs(75 kg)
Weight Ea:	2.1 lbs(.95 kg)
Case:	10

ADJUSTABLE STORAGE SYSTEM

CHROME RODS & ROD HARDWARE

GENERAL INFORMATION:

- Rod Clip Mounts under Bracket to supply continuous hanging space.
- Chrome Rod snaps firmly into place on Rod Clip.
- Rod Stops finish off the ends of the Chrome Rod.

COLORS:

- White (-11)
- Nickel (-45)

MATERIAL SPECIFICATIONS:

- Rod Clip:
.1875" (4.8mm) steel.
- Chrome Rod:
Chrome plated steel tubing.
- Rod Stop:
1/8" steel plate.

MISCELLANEOUS:

- All measurements are $\pm 1/8"$ (2mm).
- Drawings are not to scale.

INSTRUCTIONS FOR 7913-1500:

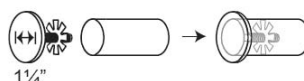
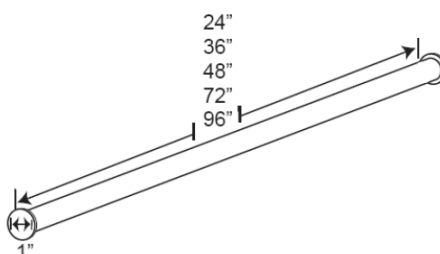
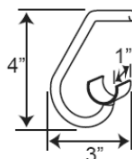
- Mount Rod Clip through hole in bottom of Bracket.

INSTRUCTIONS FOR 7913-1510:

- Insert Rod Stop into end of Chrome Rod.
- Turn until snug.

INSTRUCTIONS FOR 7913-1524/36/48/96:

- Snap Chrome Rod into Rod Clip.



ROD CLIP

7913-1500-11 (-45)

Length: 4" (10.7cm)
Weight Ea: .5 lbs (.23 kg)
Case: 12

CHROME RODS

7913-1524-34

Length: 24" (61.0cm)
Weight Ea: 1 lbs (.45 kg)
Case: 8

7913-1536-34

Length: 36" (91.4cm)
Weight Ea: 1.5 lbs (.68 kg)
Case: 8

7913-1548-34

Length: 48" (121.9cm)
Weight Ea: 2 lbs (.90 kg)
Case: 8

7913-1572-34

Length: 72" (152.3cm)
Weight Ea: 2.5 lbs (.93 kg)
Case: 8

7913-1596-34

Length: 96" (243.8cm)
Weight Ea: 4 lbs (1.8 kg)
Case: 8

ROD STOP

7913-1510-34

Diameter: 1-1/4" (3.2cm)
Weight Ea: .10 lbs (.05 kg)
Case: 12 pairs

ADJUSTABLE STORAGE SYSTEM

HARDWARE

GENERAL INFORMATION:

- Hardware packages for Heavy Duty freedomRail mounting systems options.

MISCELLANEOUS:

- All measurements are $\pm 1/8"$ (2mm).
- Drawings are not to scale.

INSTRUCTIONS FOR 9137:

When installing Rail:

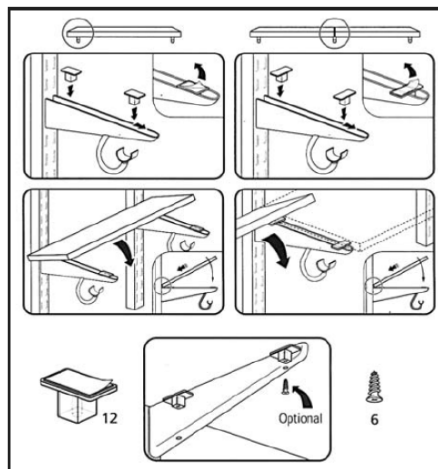
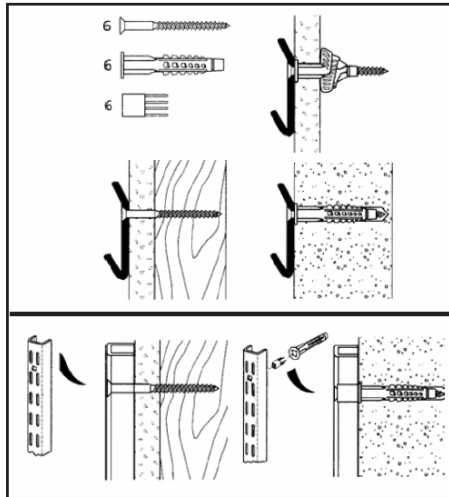
- Drill 5/16" hole and insert Anchor firmly into wall.
- Tighten Screws into Anchors using #2 Phillips bit. After Screw is flush, give Screw 6-8 more turns to allow Anchor to tighten behind the wall.
- If mounting into studs, drill pilot holes every 16" using 5/32" drill bit.

When installing Wall Mounted Uprights:

- Use Spacers in hollow channel of Upright.
- Carefully level top mounting hole of each Upright to insure a level installation.
- Drill 5/16" hole and insert Anchor firmly into wall.
- Tighten Screws into Anchors using #2 Phillips bit. After Screw is flush, give Screw 6-8 more turns to allow Anchor to tighten behind the wall.
- If mounting into studs, drill pilot holes every 16" using 5/32" drill bit.

INSTRUCTIONS FOR 9158:

- Two (2) Shelf Connectors are recommended for each Bracket. Locate one 1" from the rear of the shelf and locate another at the front of the shelf.
- If securing Shelf Connector to Bracket, first secure Shelf connector to Bracket using optional 1/2" screw, then secure Shelf Connector to Shelf.
 - Drill pilot hole in Wood Shelf with 3/32" drill 1/4" deep, locate Connector as shown.
- If attaching glass shelving, attach Connector to Bracket, then place tape to Connector. Attach Bracket to Upright and then place glass shelving over Brackets.



MOUNTING SCREWS AND UNIVERSAL ANCHORS

7913-9137-11

- Used to attach Hanging Rail or Wall Mounted Uprights to walls.
- For wood, masonry and hollow wall applications.
- Includes:
 - Six 5/16" Universal Anchors
 - Six #10 x 2-3/4" Phillips Flat Head Wood Screws.
 - One packet Adhesive Screw Head Covers to hide exposed screw heads.
 - Six Spacers (required on Wall Mounted Uprights).
 - Fast Cap Stickers in white/black/grey/almond colors.

SHELF LOCATOR - PLASTIC

7913-9158-11

- Used to secure wood Shelving to Wood Shelf Brackets.
- Includes:
 - Twelve (12) plastic Shelf Connectors with tape.
 - Six (6) #6 x 1/2" Phillips Pan Head Wood Screws.
- To secure wood or glass Shelving to Bracket. Also joins two Shelves at Bracket.
- Shelf Connector can rest in Bracket or be permanently attached to the Bracket with use of optional screw.

ADJUSTABLE STORAGE SYSTEM

HARDWARE

GENERAL INFORMATION:

- Hardware packages for Heavy Duty freedomRail mounting systems options.

MISCELLANEOUS:

- All measurements are $\pm 1/8"$ (2mm).
- Drawings are not to scale.

INSTRUCTIONS FOR 9155:

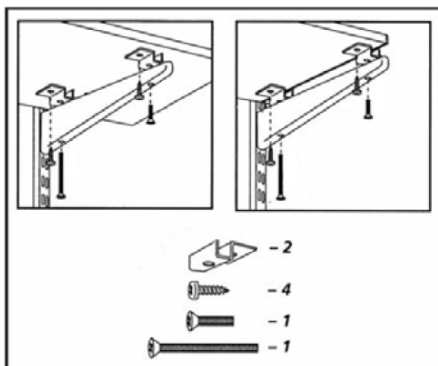
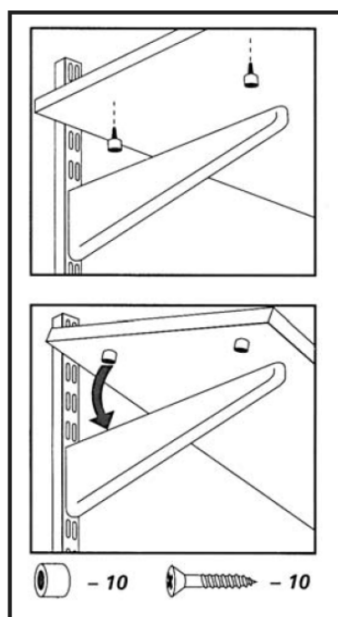
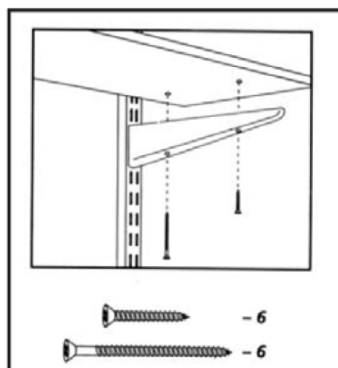
- Drill pilot hole in shelf with 3/32" drill 1/4" deep.
- Use 2" screws for back holes in Brackets 1-1/8" for front holes.

INSTRUCTIONS FOR 9232:

- Attach Bracket to Upright. Lay shelf over Bracket and lightly trace the outline.
- Attach pins 1" from back of shelf and another at front of shelf so that pin is snug to the nose of the Bracket.
- Drill pilot hole in Wood Shelf with 3/32" drill 1/4" deep.
- To attach Shelf to Bracket, insert front pin first.

INSTRUCTIONS FOR 9163:

- Use Pan Head Screws to attach Shelf Locator to Shelving. Use Flat Head Screws to attach Shelf Locator to Bracket (optional).
- Minimum of two Shelf Locators are recommended for each Bracket. If Locator to rest in Bracket, locate one 1" from the rear of the Shelf and locate second at front of Shelf.
- For deeper Shelves, over 12", add additional connector at center point.
- If securing Locator to Bracket, first secure Locator to Bracket, then secure Locator to Shelf.
- Drill pilot holes into shelf with 3/32" drill 1/4" deep and attach Locators as shown in option A or B.



SHELF SCREWS

7913-9155-11

- Includes:
 - Six #6 x 2" Phillips Flat Head Wood Screws.
 - Six #6 x 1-1/8" Phillips Flat Head Wood Screws.
- Secures 3/4" (19mm) Shelving to Solid Shelf Brackets.

SHELF PINS

7935-9232-33

- Includes:
 - Ten #6 x 3/4" Phillips Pan Head Wood Screws.
 - Ten Plastic Ferrules
- Locks 3/4" (19mm), or thicker, shelves into place, allows shelves to be removed from Bracket to easily relocate.

SHELF LOCATOR-HEAVY DUTY

7913-9163-11

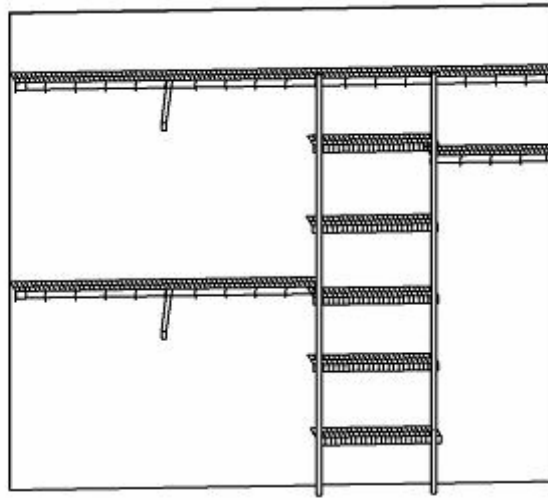
- Includes :
 - Two metal Heavy Duty Shelf Locators.
 - Four #6 x 1/2" Phillips Pan Head Wood Screws
 - One 8/32" x 5/8" Phillips Flat Head Machine Screw.
 - One 8/32" x 1-1/2" Phillips Flat Head Machine Screw.
- To secure 3/4" (19mm), or thicker, wood Shelf to Bracket (A), and/or join two Shelves together at Bracket (B).

Melamine/Laminate Color Matches

- Gray = Coveright U212
- Maple = Coveright H1400
- Cherry = Coveright H1417
- White = Coveright W600

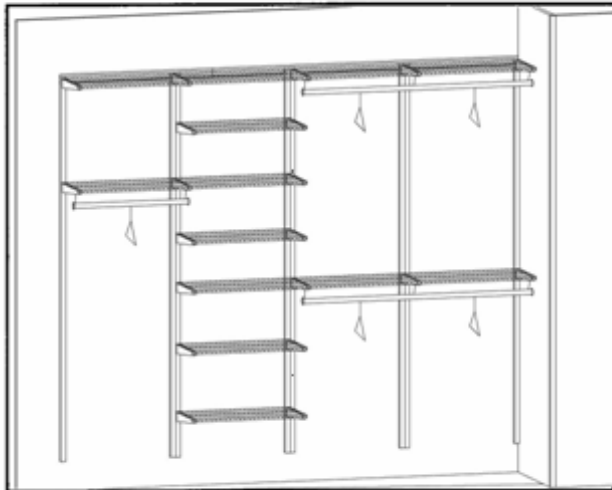
Traditional Planning - versus - freedomRail Planning

Traditional

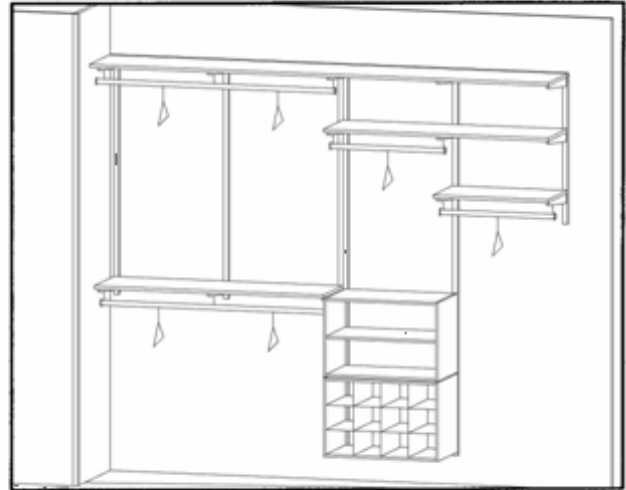


freedomRail

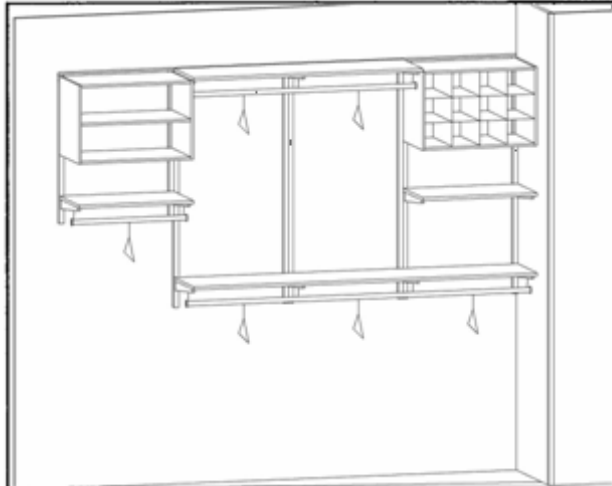
8' Reach-In Profile Shelves



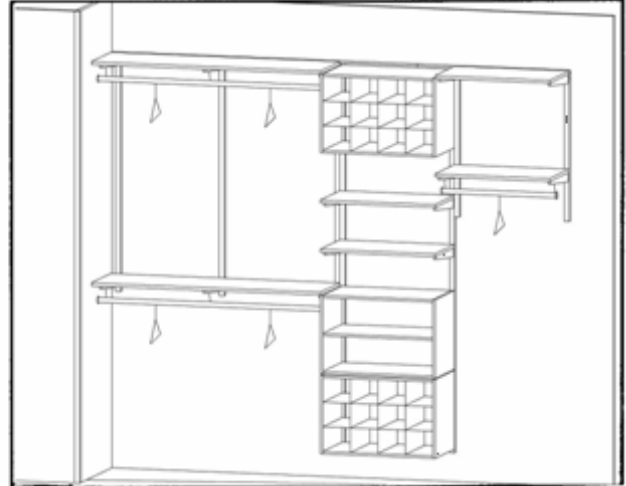
8' Reach-In Wood Shelves, O-Boxes



8' Reach-In Wood Shelves, O-Boxes



8' Reach-In Wood Shelves, O-Boxes



Take-offs

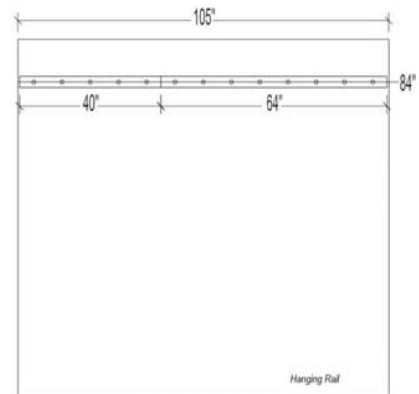
All take-offs need to be precisely measured. Be sure that all correct measurements are communicated to the person designing the closet, along with any obstructions present.

Basic Rules for Designing with freedomRail

Hanging Rail

1. Mounting Heights

- Hanging Rails should be mounted at 84" and run wall-to-wall for the greatest storage capacity, adjustability and future expansion possibilities.
- For "extra tall" (over 6'2") wardrobes, you may mount the rail at 86". Use of 78" Uprights is recommended in this application.
- With 8' ceilings, the Hanging Rail may be pushed to the ceiling to simplify installation and maximize use of vertical space. Use of long Uprights (78" or 90") is recommended in this application.



2. Width of Rails

- To achieve wall-to-wall installation, combine different size Hanging Rails or cut Hanging Rails to fit.
- When cutting, subtract .5" from wall-to-wall measurement to allow for wall variation.

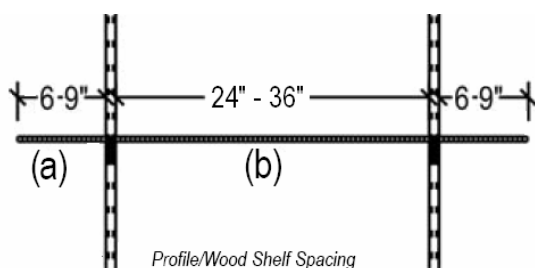
Hanging Uprights

1. Size of Uprights

- o 78” Uprights provide the greatest storage capacity, adjustability and future expansion possibilities. Other size Uprights are available for specific use areas.
 - ◆ 30” Uprights – allow for short stacks of shelves or long hanging garments.
 - ◆ 48” Uprights – allow for double-hang.
 - ◆ 78” Uprights – ideal for total adjustability – short hang, long hang, shelves and O-Boxes. 78” Uprights also provide more options for “extra tall” or “petite” wardrobes.
 - ◆ 90” Uprights – used in high ceiling applications for maximum flexibility.

2. Spacing of Uprights

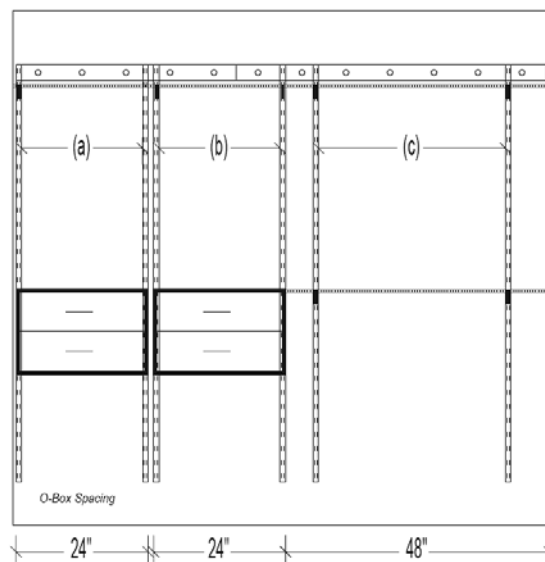
- o Shelves may overhang the uprights by 25% or up to 9" (See "a" below).
- o 36" maximum spacing for standard closet or linen applications – supports 50 lbs per linear foot (See "b" below).
- o 30" maximum spacing for standard pantry or garage applications – supports 75 lbs per linear foot.
- o 24" spacing for extra heavy-duty applications – supports 100 lbs per linear foot.



<u>Shelving</u>	<u>Upright Spacing</u>		
	24"	30"	36"
Open Slide®	75 lbs./ft.	50 lbs./ft.	-----
Profile	100 lbs./ft.	75 lbs./ft.	50 lbs./ft.
Melamine	100 lbs./ft.	75 lbs./ft.	50 lbs./ft.
O-Boxes	250 lbs.	275 lbs.	

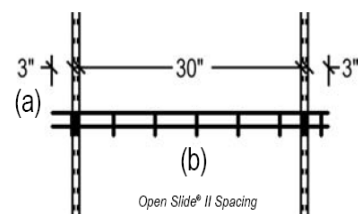
3. Spacing of Uprights for O-Boxes

- o 24" spacing is required for O-Boxes (See "a" below).
- o 30" spacing is required for Big O-Boxes.
- o When O-Boxes are placed side-by-side, each O-Box requires its own set of Uprights (See "b" below).
- o When Profile Shelving is directly next to an O-Box, each requires its own set of Uprights (See "c" below).



4. Spacing of Uprights for Open Slide Shelving.

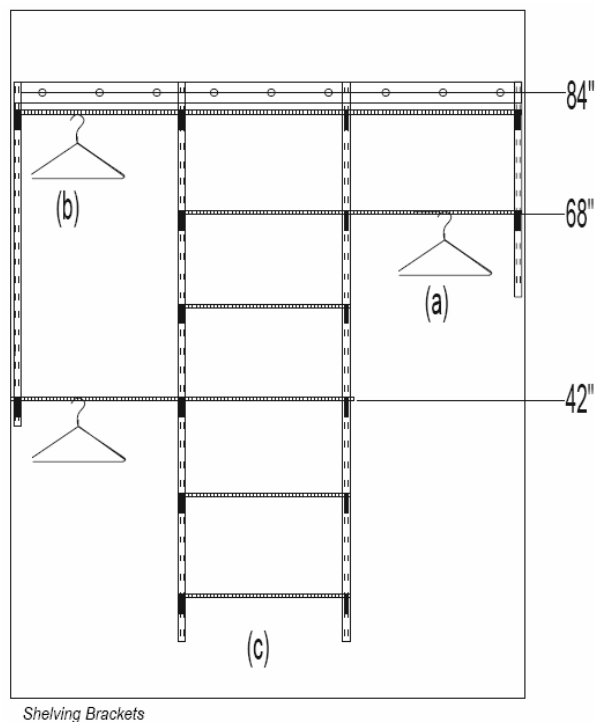
- o Shelves may overhang the uprights by up to 3" (See "a").
- o 30" maximum spacing for standard closet or linen applications – supports 50 lbs per linear foot (See "b").
- o 24" spacing for pantry or laundry applications, supports 75 lbs per linear foot.



Shelving Brackets

Before placing Shelving Brackets onto the Uprights, consider your storage needs as you plan your closet layout. What percentage of your wardrobe consists of long-hang? Short-hang? How much of the closet do you wish to devote to folded items, shoes, belts, ties, boxes or luggage? Once you have calculated these percentages, attach Brackets using the following heights as a general guideline, then simply add Rod Clips and Chrome Rods where applicable.

- 68" for long-hang (See "a" below).
- 84" and 42" for adult short-hang (See "b" below).
- 84", 68", 56", 42", 28", and 14" for shelf stack in closet, pantry or linen (See "c" below).
- 84", 56" and 28" for child's triple-hang.



Shelves/Chrome Rods/Rod Clips

Depth:

Shelving is offered in different depths to satisfy different requirements. 12" and 14" deep shelving has wide applications, including many clothes closets. For large spaces, such as walk-in closets and pantries, 16" deep shelving offers greater storage capabilities.

Length:

Allow 1" clearance so that shelving and chrome rods fit comfortably within your wall-to-wall measurement. For example, in a 73"-wide closet, center a 72" shelf and leave ½" gap on each side.

- Shelving is available in pre-cut sizes of 24", 36", 48" and 96". In order to minimize cutting, design your closet using these sizes. For closets that are not in exact increments of 12", pre-cut shelves may be trimmed to fit (see "Cutting" for further information).

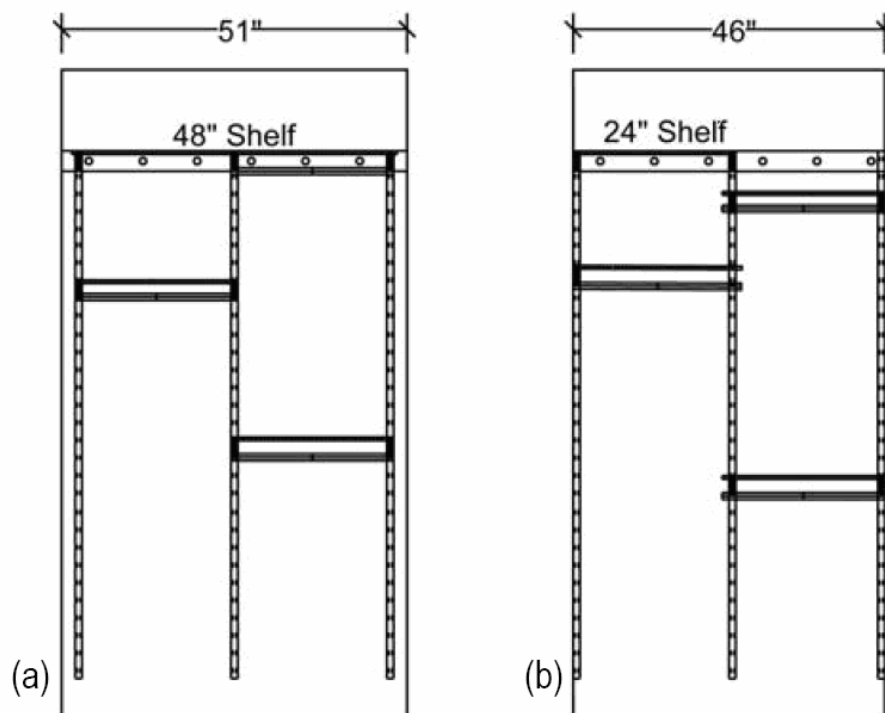
Tips for Using Pre-cut Lengths

Acceptable gaps:

Allow up to 1-1/2" of gap between the shelf and each return wall. So a 51" closet could use one 48" shelf or two 24" shelves (See "a" below).

Overlaps:

Allow shelves to overlap by as much as 2". For example, a 46" closet could be designed using 2 24" shelves that overlap 2" rather than having to cut down a 48" long shelf (See "b" below).



Types of Closets and Closet Terms

Reach-in

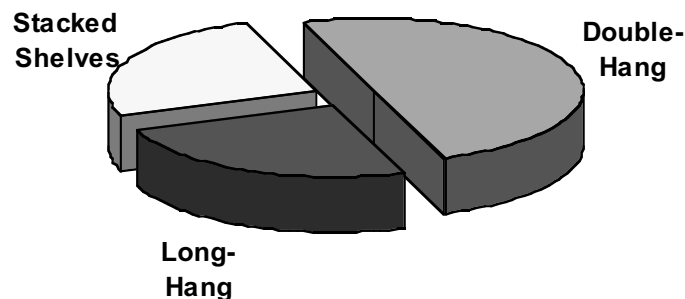
A reach-in closet is generally designed to accommodate one row of shelving and is often 24" deep. It typically has sliding or bi-fold doors. When measuring for a reach-in closet, you need to know the width, depth, height of header and width of return walls. These measurements help determine the depth and width of shelving you use. Typically, 12" deep shelving is used in reach-in closets where the shelving must fit behind the "header".

A 50/25/25 rule is a good start.

50% for double-hang

25% for long-hang

25% for stacked shelves/O-Boxes



Using this rule for a typical 8' reach-in closet, you would allow 4' for double hang, 2' for long hang, and 2' for stacked shelves or O-Boxes.

However, with freedomRail, it is very easy to move beyond the 50/25/25 rule. For example, in a man's closet, there may be little need for long hang spaces, so revise your plan to accommodate a higher percentage of short hang garments.

Walk-in

A walk-in closet has enough depth to allow the user to walk inside. A variety of door styles may be used. While you may start with the 50/25/25 rule, the extra space in most walk-in closets gives you more freedom to accommodate different wardrobe requirements - custom designs are easy with the adjustability of freedomRail.

Pre-Teen Reach-in

A pre-teen's closet is similar to a normal reach-in, except that the hanging sections can be shorter which allows more room for shelving. If you position the shelving at 32" and 64", then you can put a storage shelf at 84" from the floor, providing double-hang and added storage.

Child's Reach-in

In a child's reach-in closet, you may choose to create a triple hang space because of the small size of the clothing. Mount shelves at 28", 56" and 84" from the floor. As the child grows, the adjustability of freedomRail allows the consumer to easily adjust components. A pre-teen may use shelving at 32", 64" and a storage shelf at 84" from the floor providing two short hanging areas and added storage above. Children's closets should include a large percentage of shelving space for folded clothes, games, toys and books.

Bypass Doors

There are several different types of doors: Folding doors, Sliding/Bypass Doors, Swinging Doors and Pocket Doors. For Sliding/Bypass Doors, leave the center of the closet somewhat difficult to access. Do not put a tower in the center. Instead, consider long hang in the center. Also consider the location of Pocket Doors and do not install on that location.

Return Walls

Reach-in closets often have return walls on either side of the door. These walls may interfere with access to O-Boxes or Stor-Drawer units.

Headers, or Above Doors

A closet with a tall inside and a normal size door poses other problems. Once you reach a point in the height of the shelving that it is at or above the doors, a normal depth shelf may not be the best choice. If the closet is 22" deep, once you are above the door height (80"), a 16" deep shelf will only leave 6" of space to access the shelf. Use 8", 9" or 12" deep shelving instead.

Other Obstacles

Any obstruction on a wall that may interfere with the design needs to be identified as well as the location of the obstruction on the wall which includes the following information: the distance between the sides of the walls and the obstruction, the distance between the ceiling and floor of the obstruction and the measurements of the obstruction itself. Obstructions include, but not limited to, the following: windows, light switches, central vac hookups, electrical outlets, heating/cooling vents, access panels, access doors, pocket doors and recessed vanity mirrors that are on the other side of the wall to name a few.

Clothing Measurements and Spacing

The best-designed storage space considers the customer's available space and an inventory of the items to be stored. Ask the homeowner to organize his or her items into three groups; long hanging, short hanging, and items to be placed on shelves or in drawers. This inventory will assist in determining how much space should be allocated to each type of storage. Below you will find a chart of general space guidelines.

Men's Clothing	Thickness	Length	Women's Clothing	Thickness	Length
Jacket	2"	45"	Jacket	2"	36"
Long coat	2.5"	60"	Long coat	2.25"	60"
Bathrobe	1.5"	54"	Short coat	2"	42"
Suit	2-4"	42"	Bathrobe	1.5"	51"
Slacks over hanger	1.5"	39"	Suit	2-4"	36"
Slacks hung from cuff	1"	54"	Slacks over hanger	1.5"	36"
Shirt	1.25"	39"	Slacks hung from cuff	1.5"	51"
Shoes (pair)	9"	12-16"	Skirt	1.75"	36"
Ties	6"	30"	Dress	2"	60"
Folded clothes	14"	12"	Blouse	1.25"	36"
			Folded clothes	12"	10-12"
			Shoes	7"	12"

- The width and length measurements found in the chart are approximates and should be adjusted to fit the size of the individual .
- Plan ahead for future additions by adding 10-15% to the storage space required.

Tools

Required Tools:

- 9.6 v or greater cordless drill with an extra charged battery
- #2 Phillips Screwdriver
- 5/16" drill bit
- Tape Measure
- Pliers
- T-bevel
- Mallet
- Awl
- Plastic hardware case with divided sections for bulk hardware
- 12" and 24" levels
- Bolt cutters
- Pencils
- Tool belt
- Razor knife
- Tubing cutter
- Hack saw

Highly Recommended:

- Pneumatic cutting head
- Cutting table
- Replacement jaws
- Balancer
- Portable band saw
- Portable circular saw
- Air compressor
 - Professional compressor. 25 gallon, 3 ½ HP, vertical, 2-stage, oil free pump, 175 psi max or similar compressor

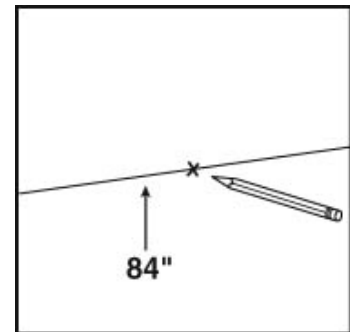
Installation Instructions

Hanging Rail

You will have selected Hanging Rails to fit your wall-to-wall measurement, less 1". You may be using one long Rail, or two Rails that are trimmed to fit your wall-to-wall measurement.

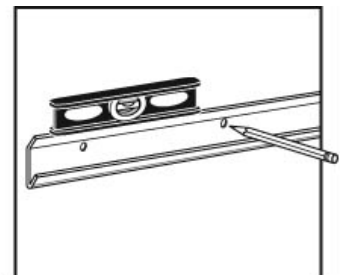
1. With measuring tape and pencil, measure up 84" from the floor.

2. Using a level, draw a level line at 84".
 - o Method a) Use a long level.
 - o Method b) Use a short level, placed on top of a long Rail.

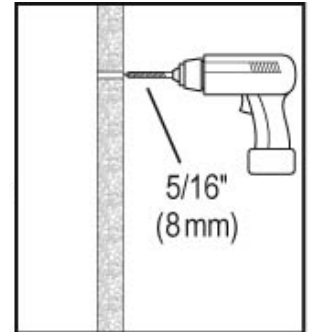


3. Position the Rail on the wall so the 84" line is visible through the Rail mounting holes. Allow 1/2" space between the side wall and the Rail.

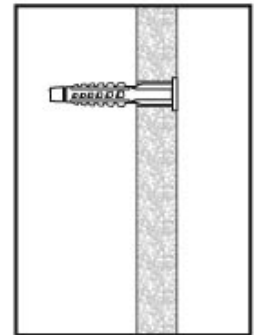
4. Circle or mark the center of each mounting hole with a pencil where it intersects the level line.
 - o If you are installing more than one Rail, complete the installation of the first rail, then repeat those same steps to install each subsequent Rail. Having the first Rail firmly anchored to the wall allows for a tighter fit when butting the next. Continue along the wall leveling and marking the holes for each additional Rail.



5. | Remove the Rail from the wall and drill each hole using a 5/16" drill bit.
 - o As stated previously, there is no need to locate studs. The Strong Loc™ Anchors and Screws provide maximum system strength even in a hollow wall, drywall application.
 - o If you do hit a stud with the 5/16" drill bit, it is likely that you will hit studs every 16". In this case, stop drilling, mark the hole with your pencil, then drill again with a smaller 5/32" hole into the stud.

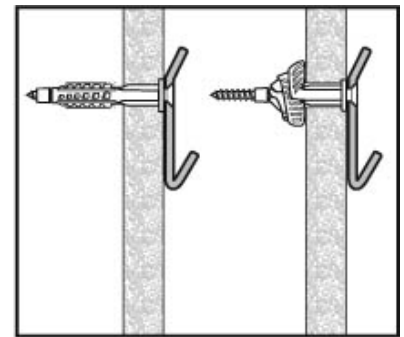


6. Insert Anchors into the previously drilled 5/16" holes.
 - o Tap the Anchor into the hole, flush to the wall. Do not twist or turn the Anchor. Twisting the Anchor will enlarge the hole and make the installation more difficult.

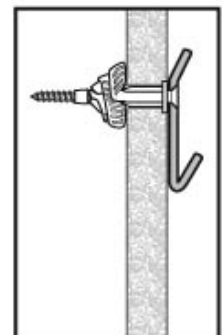


7. Return Rail to wall, align holes over Anchors, and insert Screws by hand to hold the Rail in place.

8. Replace the level atop the Rail to ensure levelness, then tighten each Screw using a drill with #2 Phillips head screw bit attachment.
 - o Do not stop your drill when the screwhead is flush to the Rail. It is very important to give each Screw 6-8 turns (about a 3 second burst with the drill) after the head has met the Rail so that the Anchor will rosette properly behind the wall. Do not worry about stripping out the Screw. It cannot be over tightened.



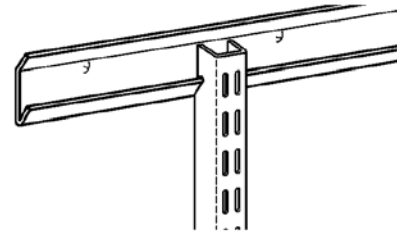
9. If you have 5/32" pilot holes in stud locations (see #5 above), go back now and drill wood screws into these pilot holes.



10. Place Cover Stickers over each screw head.

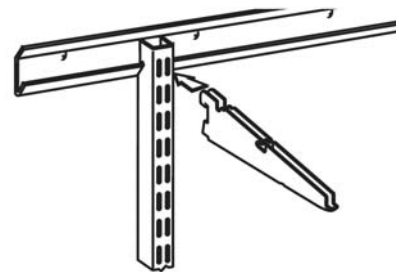
Hanging Uprights

- Hang Uprights from Rail.
 - See "Design Considerations" for appropriate length and proper spacing of Uprights.



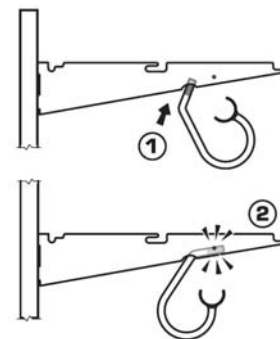
Ventilated Shelving Bracket (VSB)

- Insert Brackets into the Uprights wherever a Shelf will be installed.
- Tilt Brackets upward at a slight angle and snap into openings in Uprights.



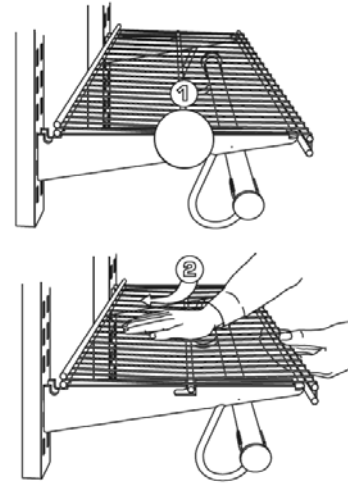
Rod Clip

- Insert a Rod Clip into each Bracket that will be supporting a Chrome Rod for hanging purposes.
- Insert Rod Clip into the large hole on the underside of the Bracket.
- Snap Rod Clip securely into the dimple in the Bracket.



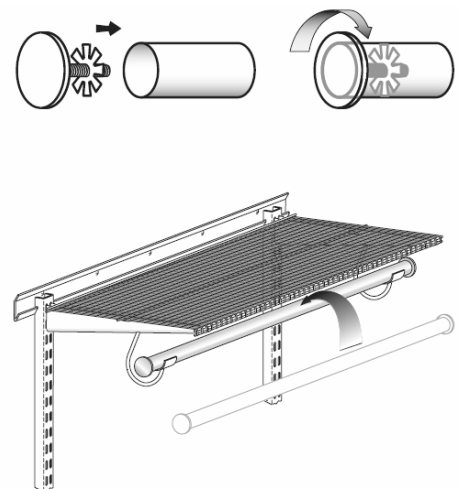
Profile or Open Slide® Shelves

- Snap shelves into VSBs according to your closet design layout.
- Lay shelf onto brackets with center support rod positioned in center bracket notch.
- Push down and maintain pressure on center of shelf. Then lift front edge and slide shelf back. Shelf will snap into place.
 - For 24", 36" and 48" shelves, the entire shelf can be secured in a single motion.
 - If one person is installing a long shelf, they will secure the shelf to the brackets as they work their way along the shelf one bracket at a time.



Chrome Rod/Rod Stop

- Install Rod Stops into Chrome Rods.
 - Before inserting Rod Stop, make certain that the umbrella-like metal connector is positioned approximately half-way down the threaded bolt portion of the Rod Stop.
 - Push Rod Stop into Chrome Rod.
 - Twist Rod Stop clockwise until snug.
- Install Chrome Rod onto Rod Clips.
 - Align Chrome Rod under shelf.
 - Put downward pressure on each Chrome Rod until it snaps into place.



O-Box Design Considerations

- If O-Boxes are placed side-by-side, two (2) side-by-side Uprights are required.
- If the O-Box is placed in a corner, the Hanging Rail needs to be cut to go up against the wall.
- It is not recommended to use Wall Mounted Uprights because of leveling and spacing issues.

Installation

- When aligning the O-Box bracket to the Hanging Upright, use the slots on the inside of the Uprights.
- When installing a stack of O-Boxes, install the bottom O-Box first.