



Training Manual

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Product Description

Hanging Rail

- The Hanging Rail is the primary support component of the freedomRail Garage system. Once mounted to the wall, all other components simply hang from the Hanging Rail. 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.
- Available in 24", 40", 64", and 80" lengths, in White and Nickel.
- Part Number: 7913-(4424,4440,4464,4480)-(11,45)



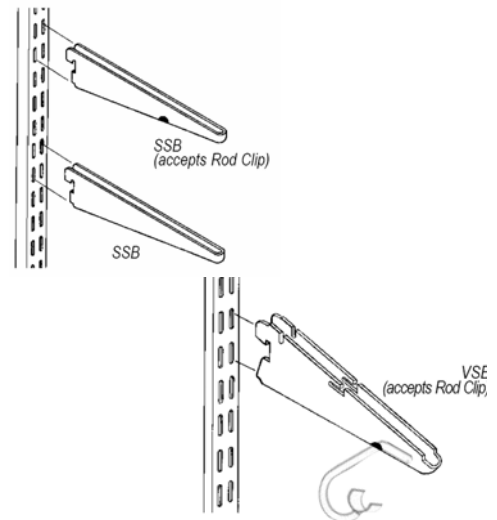
Hanging Upright

- 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, in White and Nickel.
- Part Number: 7913-(3530,3548,3578,3590)-(11,45)



Shelving Bracket

- Shelving Brackets come in two types--Ventilated Shelving Brackets (VSBs) and Solid Shelving Brackets (SSBs). Constructed of heavy duty steel in a double-body design.
- VSBs lock securely into the Uprights and support Profile Shelves and Open Slide® II Shelves. VSBs are specially designed to receive Rod Clips that support Chrome Rods.
- SSBs also lock securely into the Hanging Uprights, and support solid wood, glass, or melamine shelves. Shelves may be securely fastened to SSBs with one of several available hardware items.
- Part Number: VSB-(7913,7910)-
(1309,1313,1412,1416,1320)-(11,45)
SSB-(7913,7910)-
(1004,1006,1008,1010,1012,1413,1014,1114,1118,1124)-
(11,45)

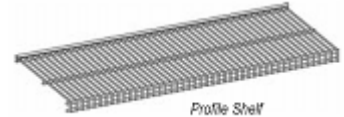


Product Description

Profile Shelving

Profile Shelves are constructed of heavy gage steel with a durable baked on epoxy finish. Each Profile Shelf has double bars both front and rear for added strength. The low "profile" front lip allows more storage space between shelves. 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.

Depth	Length	Part Number
9"	96"	1813-2096-(11,45)
12"	24", 30", 36", 48", 72" and 96"	1813-(1224,1230,1236,1248,1272,1296)-(11,45)
16"	24", 30", 36", 48", 72" and 96"	1813-(1424,1430,1436,1448,1472,1496)-(11,45)
20"	96"	1813-2096-(11,45)



- Available in White and Nickel

Wood Shelving

5/8" Wood Shelving is constructed of melamine laminated particleboard with 1.4mm radius edgeband on three sides. Wood Shelves are supported by SSBs.

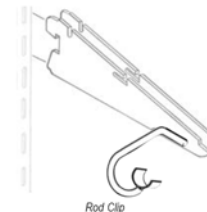
Depth	Length	Part Number
8"	24", 48" and 96"	7313-(0824,0848,0896)-(11,24,27)
12"	24", 36", 48" and 96"	7313-(1224,1236,1248,1296)-(11,24,27)
14"	24", 30", 36", 48" 72" and 96"	7313-(1424,1430,1436,1448,1472,1496)-(11,24,27)



- Available in White, Maple and Cherry

Rod Clip

- Rod Clips are inserted into 12" and 16" VSBs 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 underside of the brackets and then snap into place.
- Available in nickel or chrome
- Part Number: (7913,7910)-1500-(34,36)



Clothes Rods

- Chrome Rods simply snap into Rod Clips to provide a continuous-slide hanging rod anywhere within the closet.
- Constructed of heavy gage 1" tubing in either chrome or nickel.
- Part Number: 7913-(1524,1530,1536,1548,1572,1596)-(34,36)



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, and is finished in either chrome or nickel for an upscale look.
- Part Number: 7913-1510-(34,36)



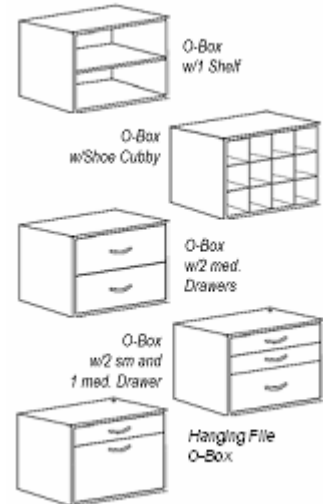
Product Description

O-Boxes

O-Boxes--short for "Organization Boxes"--are modular cabinets that are 24"W x 16-1/4"H x 14"D. 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 available in the following configurations.

O-Boxes are constructed of 5/8" furniture grade melamine, and are available in White, Maple and Cherry. Backing Material matches all O-Box colors and attaches with small nails into the O-Box frame to keep small items from falling behind the O-Box.

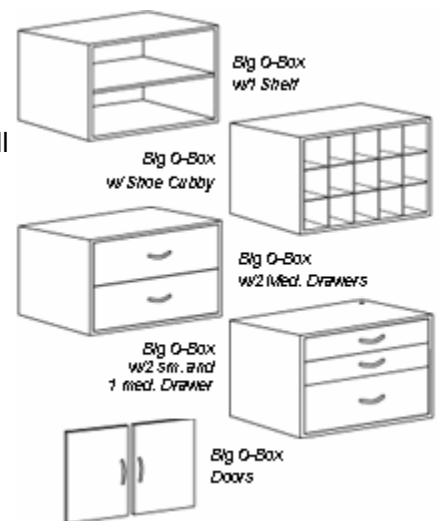
- O-Box with Shelf
-Part Number: 7315-0124-(11,24,27)
- O-Box with Shoe Cubby
-Part Number: 7315-0424-(11,24,27)
- O-Box with Two Drawers (two 6" drawers)
-Part Number: 7315-0224-(11,24,27)
- O-Box with Three Drawers (one 6" and two 3" drawers with built-in lock)
-Part Number: 7315-0324-(11,24,27)
- Hanging File O-Box (one 3" and one 9" drawers with built-in lock)
-Part Number: 7315-0524-(11,24,27)
- O-Box Back
-Part Number: 7513-2215-(11,24,27)



Big O-Boxes

Big O-Boxes--short for "Big Organization Boxes"--are modular cabinets that are 24"W x 20"H x 16"D. 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 available in the following configurations. O-boxes are constructed of 5/8" furniture grade melamine, and are available in White, Maple and Cherry. Backing Material matches all Big O-Box colors and attaches with small nails into the Big O-Box frame to keep small items from falling behind the Big O-Box.

- Big O-Box with Shelf (Doors sold separately)
-Part Number: 7315-3130-(11,24,27)
- Big O-Box with Shoe Cubby
-Part Number: 7315-3430-(11,24,27)
- Big O-Box with Two Drawers (two 6 1/2" drawers)
-Part Number: 7315-3230-(11,24,27)
- Big O-Box with Three Drawers (one 6 1/2" and two 4 3/4" drawers with built-in lock)
-Part Number: 7315-3330-(11,24,27)
- Big O-Box Doors
-Part Number: 7315-3530-(11,24,27)
- Big O-Box Backs
-Part Number: 7513-2921-(11,24,27)

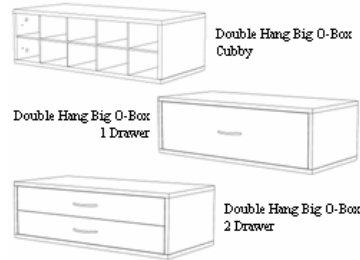
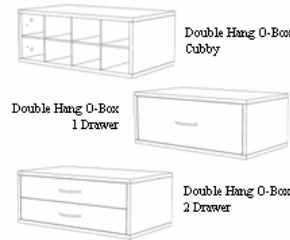


Product Description

Double Hang O-Boxes

Double Hang O-Boxes and Big O-Boxes are modular cabinets that are 24"W x 9-1/2"H x 14"D and 30"W x 9 1/2" H x 14"D. Each Double Hang O-Box is packaged separately with all hardware needed for assembly and installation. Double Hang O-Boxes have a sleek design that allows consumers to use wasted space in the center of the closet. Typical Hand for clothing ranges from 36" for people who are shorter up to 42" for a good sized person. When used in between double hung clothing, it allows more for the drawers and shoe cubbies to be more accessible for the vast majority of people. Double Hang O-Boxes are available in the following configurations and are constructed of 5/8" furniture grade melamine, available in White, Maple and Cherry.

- Double Hang O Box Cubby
-Part Number: 7315-1424-(11,24,27)
- Double Hang O Box 1-Drawer
-Part Number: 7315-1124-(11,24,27)
- Double Hang O Box 2-Drawer
-Part Number: 7315-1224-(11,24,27)



- Double Hang Big O Box Cubby
-Part Number: 7315-4430-(11,24,27)
- Double Hang Big O Box 1-Drawer
-Part Number: 7315-4130-(11,24,27)
- Double Hang Big O Box 2-Drawer
-Part Number: 7315-4230-(11,24,27)

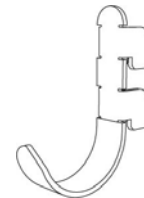
Single Hook

- Attaches securely to Profile Shelf
- Multipurpose Hook
- Comes in pack of 4
- Available in Nickel and White
- Part Number: 7215-1880-(11,45)



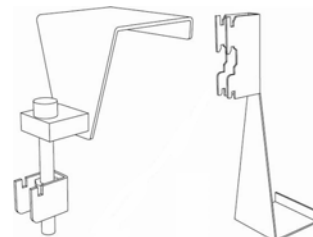
Profile Shelf Hook

- Attaches securely to Upright or Spanner
- Multipurpose Hook
- Comes in pack of 4
- Available in White
- Part Number: 7215-1880-(11,45)



Over The Door Hook – Top/Bottom Capture

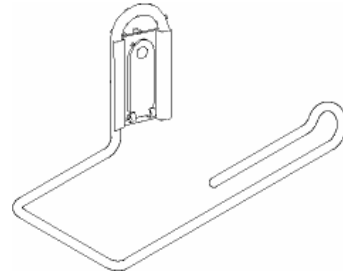
- Used to hold an upright onto a door by capturing the top and bottom of a door
- Can be adjusted to fit most size doors
- Holds accessories that attach to a single upright
- Available in White only
- Part Number: 7215-1800-11



Product Description

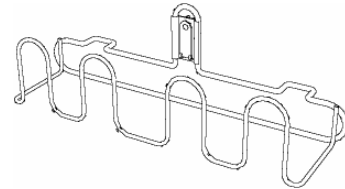
Over The Door Hook – Paper Towel Holder

- Can be attached to the Spanner or a single Upright to allow versatility
- Holds one roll of paper towels
- Patented locking system ensure secure fit
- Available in White only
- Part Number: 7215-1860-11



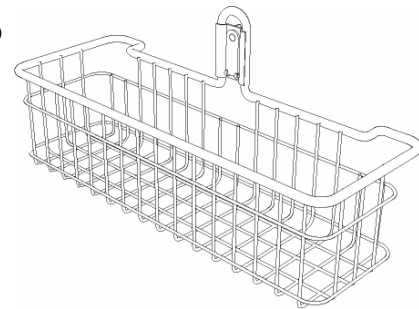
Over The Door Hook – Shoe Rack

- Can be attached to the Spanner or a single Upright to allow versatility
- Securely holds 2 pairs of shoes
- Patented locking system ensure secure fit
- Available in White only
- Part Number: 7215-1820-11



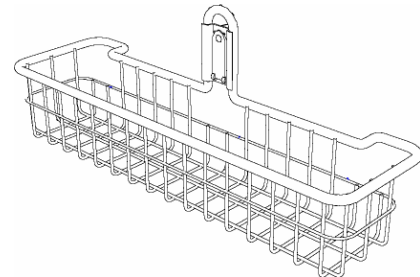
Over The Door Hook – Basket 18” X 6”

- Can be attached to the Spanner or a single Upright to allow versatility
- Tight Mesh bottom holds keeps items from falling through the basket
- Deeper to hold taller, bigger items
- Patented locking system ensure secure fit
- Available in White only
- Part Number: 7215-1860-11



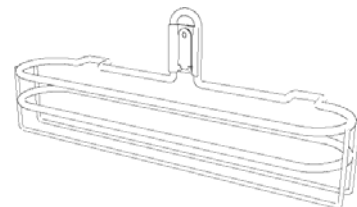
Over The Door Hook – Basket 18” X 4”

- Can be attached to the Spanner or a single Upright to allow versatility
- Tight Mesh bottom holds keeps items from falling through the basket
- Keeps smaller items together to make them easier to find
- Patented locking system ensure secure fit
- Available in White only
- Part Number: 7215-1860-11



Over The Door Hook –Can Holder

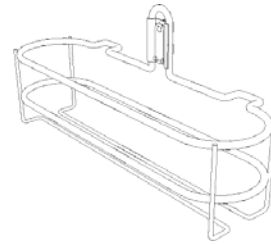
- Can be attached to the Spanner or a single Upright to allow versatility
- Holds smaller cans and items in place
- Patented locking system ensure secure fit
- Available in White only
- Part Number: 7215-1860-11



Product Description

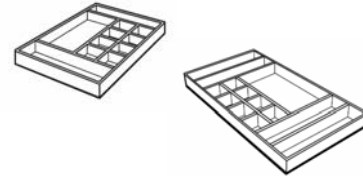
Over The Door Hook – Large Can Holder

- Can be attached to the Spanner or a single Upright to allow versatility
- Holds up to 4 large cans
- Patented locking system ensure secure fit
- Available in White only
- Part Number: 7215-1860-11



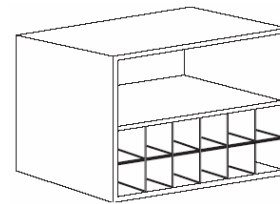
Jewelry Insert, Black (O-Box and Big O-Box)

- Used in the top drawers of a 3 Drawer O-Box or Big O-Box
- Black Velvet Jewelry Insert fits snugly in drawer
- Part Number: 7513-(1424,2430)-14



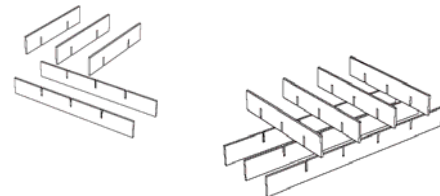
Wine Cubby

- Used in a O-Box Shelf Unit
- Hold up to 12 bottles of wine
- Available in White Only
- Part Number: 7513-0724-11



Drawer Divider

- Used in the top drawers of a 3 Drawer O-Box
- Fits snugly in drawer
- Available in White, Maple and Cherry
- Part Number: 7510-(0324,0330)-(11,24,27)



Chrome Baskets for O-Box

- Fits in O-Box Shelf Unit
- Comes with all hardware
- Available in 6" and 13" Sizes
- Part Number: 7510-(1406,1413)-34



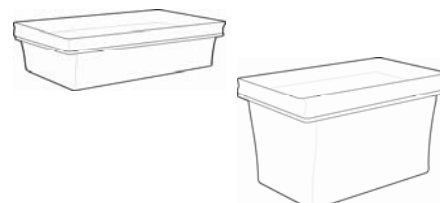
Chrome Baskets for Big O-Box

- Fits in Big O-Box Shelf Unit
- Comes with all hardware
- Available in 6" and 16" Sizes
- Part Number: 7510-(1606,1616)-34



fR Canvas Liner for Baskets

- Fits easily in O-Box Chrome Baskets
- Fits in 6" and 16" Baskets
- Comes in Chocolate and Wheat colors
- Part Number: 7513-(2406,2416)-(13,18)



Product Description

Chrome Shoe Fence

- Used with any 24" or 30" Shelf and Angled Shoe Bracket
- Installs by drilling into Shelf with Shoe Fence Template
- Part Number: 6881-(0224,0230)-34



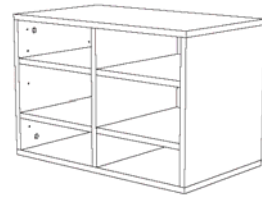
Pre-Drilled Shoe Shelf

- 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
- Part Number: 7305-(1424,1430)-(11,24,27)



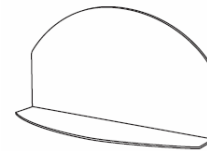
O-Box Paper Sorter

- Fits in O-Box Shelf Unit
- Comes with all hardware
- Available in all colors
- Part Number: 7513-0714-(11,24,27)



Acrylic Shelf Divider

- Attaches to 14" Melamine Shelves with double sided tape
- Sold in pairs
- Available in Frosted Acrylic
- Part Number: 7513-0814-40



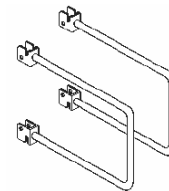
Wire Shelf Divider

- Used with 12" and 16" Profile Shelves
- Clips on Profile Shelves
- Available in White and Nickel
- Part Number: 7513-(1412,1416)-(11,45)



Book Ends

- Attaches to Uprights by clipping into place
- Sold in pairs
- Available in White
- Part Number: 7913-1408-11



Valet Rod

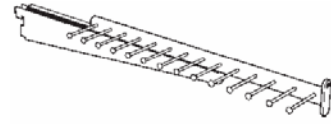
- Mounted on a Solid Shelf Bracket
- Used to Set clothes out for later time
- Available in White and Nickel
- Part Number: 7513-1414-(11,45)



Product Description

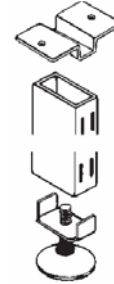
Tie Rack

- Mounted on a Solid Shelf Bracket
- Pegs on one side only for use close to walls
- Available in White and Nickel
- Part Number: 7513-1428-(11,45)



Floor-to-Ceiling Uprights

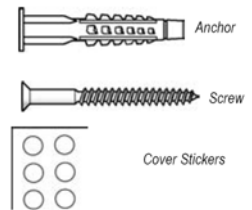
- Used in Peninsula applications
- Attaches to stud in ceiling
- Uses double sided Uprights
- Available in White
- Part Number: 7913-(3318,9118,9120)-(11,33)



Hardware

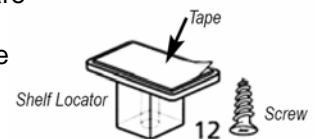
Strong-Loc Anchors and Screws (#9137)

- Used to firmly secure the Rail to the wall. Each of these heavy duty Anchors spirals into a tight, ½" plastic ball behind the drywall surface, providing maximum system strength without having to attach to or mount into studs. Package includes peel-and-press Cover Stickers to cover and conceal metal Screws. The Spacers in the package are used for Wall Mount Uprights (see Wall Mount Uprights, next page).



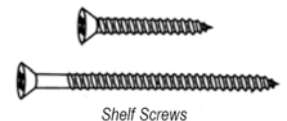
Shelf Locators (#9158)

- Forms a quick, secure bond between the bracket and shelf. Two Locators are used in each bracket (4 per shelf). Tape forms the bond between the two components. No tools are required, and there is no permanent damage to the shelf. The tape can later be removed if there is a desire to move or adjust shelves. Optional screws are also included in the package in the event that a permanent bond is desired. The screws are inserted through the bottom of the bracket, and up into the plastic Locators.



Shelf Screws (#9155)

- A short and long screw are offered in this package to provide a permanent connection between the bracket and shelf. The short screw is inserted into the front of the bracket, and the long screw into the rear of the bracket. Both screws are then drilled into the melamine shelf, creating a permanent connection.



Profile Shelf End Cap Assortment Pack (#6600)

- Pack contains 3 sizes of End Caps (small, large, and double) to finish off the ends of any cut Profile shelf. Each package contains 12 Caps, or enough to finish 4 cut sides.



Product Description

Additional Components

Wall Mount Uprights

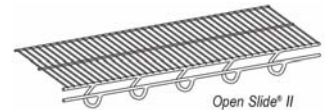
- May be used to create a stack of shelves. They are not recommended for closets, where the Hanging Rail would be much easier to install and level.
- For most applications, Wall Mount Uprights are mounted into studs. It is important to level the two Uprights carefully in order to create proper shelf alignment. The #9137 Hardware package provides the necessary hardware, including Spacers that are inserted into the hollow of the Upright. (See "Wall Mount Uprights", pages 17-18)
- 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 in White and Black.



Wall Mounted Upright

Open Slide® II

- Ventilated shelving that provides a durable hanging solution that also offers adjustability options when mounted onto freedomRail components. The shelf is offered in 12" and 16" versions.



Open Slide® II

Shelf End Caps

- Provide the right assortment of End Caps to finish off the cut edge of the Open Slide II shelving when it needs to be cut to fit a particular size space. The #6683 Shelf End Cap package includes enough End Caps to finish off 4 cut sides.



Shelf End Cap Package

3/4" Wood Shelving

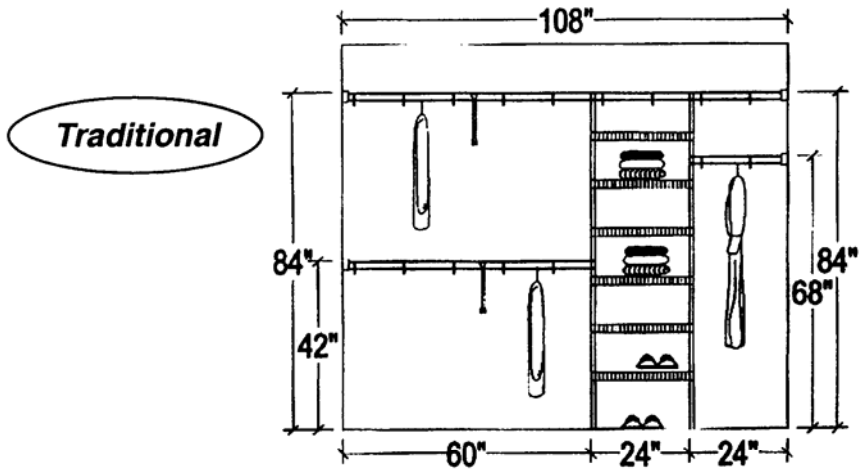
- Constructed of particleboard with square edgebanding, and finished on 4 sides. These shelves are typically used to create a stack of shelving. They are supported by various size Solid Shelf Brackets (SSBs). These SSBs do not accept Rod Clips for hanging purposes.



3/4" Wood Shelf

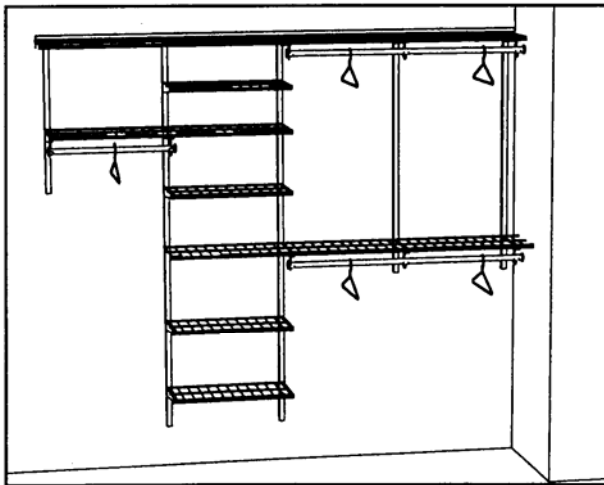
Design Fundamentals

Traditional Planning - versus - freedomRail Planning

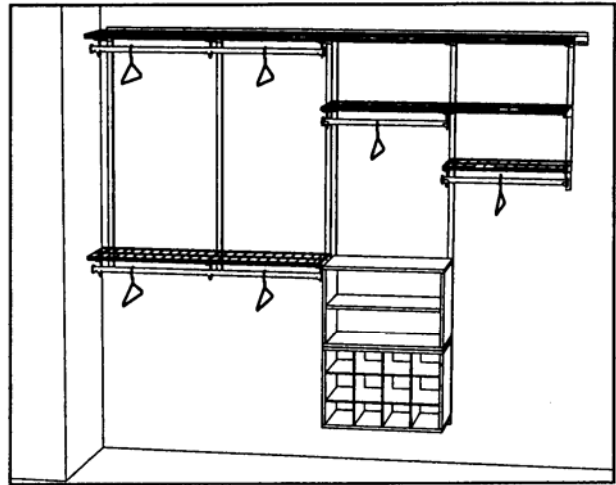


freedomRail

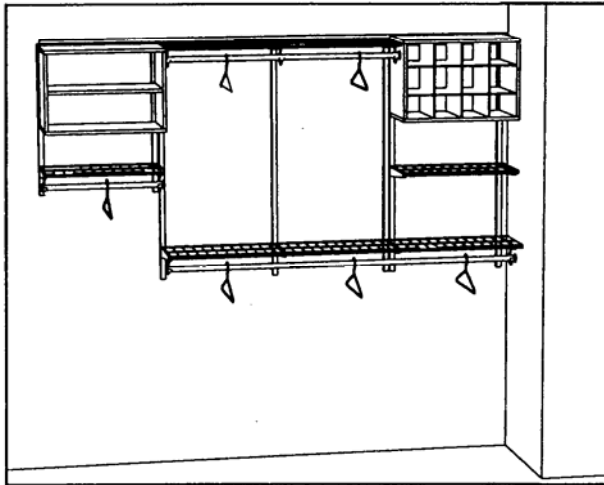
8' Reach-In - Profile Shelves



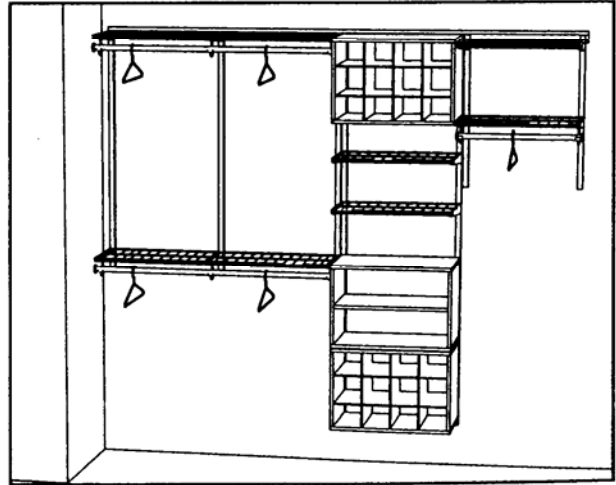
8' Reach-In - Profile Shelves, O-Boxes



8' Reach-In - Profile Shelves, O-Boxes



8' Reach-In - Profile Shelves, O-Boxes



Design Fundamentals

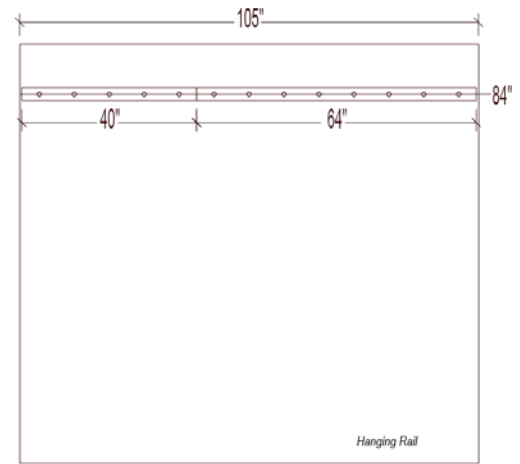
Hanging Rail

1) Mounting Heights

- 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-foot ceilings, Rails 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) Widths of Rails

- To achieve wall-to-wall installation, combine different size Rails or cut Rails to fit.
- Subtract 1" from wall-to-wall measurement to allow for wall variation.



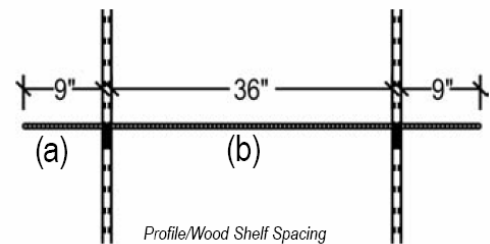
Hanging Uprights

1) Size of Uprights

- 78" Uprights provide the greatest storage capacity, adjustability, and future expansion possibilities. Other size Uprights are available for specific use areas.
- 30" Uprights - allows for short stack of shelves or long hanging garments.
- 48" Uprights - allows two rows of short hanging garments.
- 78" Uprights - ideal for total flexibility -- short hanging, long hanging, shelves and O-Boxes. 78" Uprights also provide more options for "extra tall" (over 6' 2") or "petite" wardrobes.
- 90" Uprights - used in high ceiling applications for maximum flexibility.

2) Spacing of Uprights for Profile and Wood Shelving

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

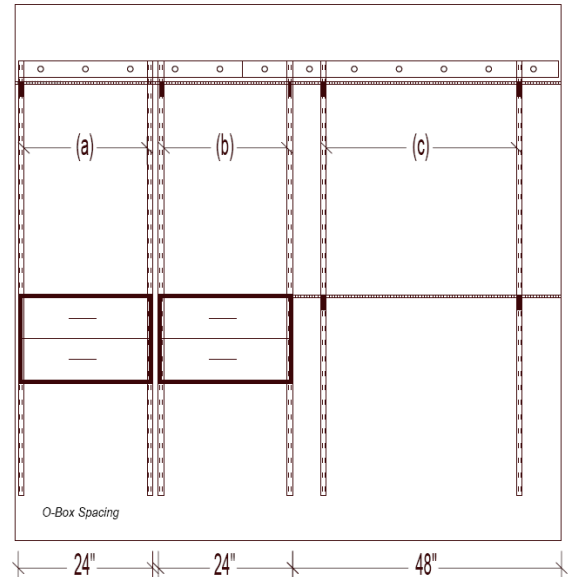


Tie Rack Note: If you plan to use a freedomRail Tie Rack (mounted into Upright. This could occur easily in the middle of a longer shelving run, or by inseting the Upright 4" from the end of a Shelf.

Design Fundamentals

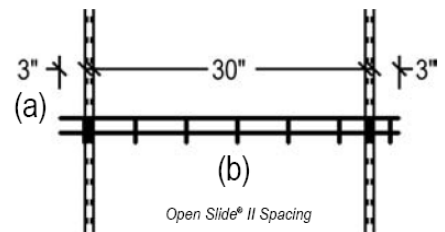
3) Spacing of Uprights for O-Boxes

- 24" spacing is required for O-Boxes - supports 200 lbs. Per O-Box (a).
- When O-Boxes are placed side-by-side, each O-Box requires its own set of Uprights (b).
- When Profile Shelving is directly next to an O-Box, each requires its own set of Uprights (c).



4) Spacing of Uprights for Open Slide® II Shelving

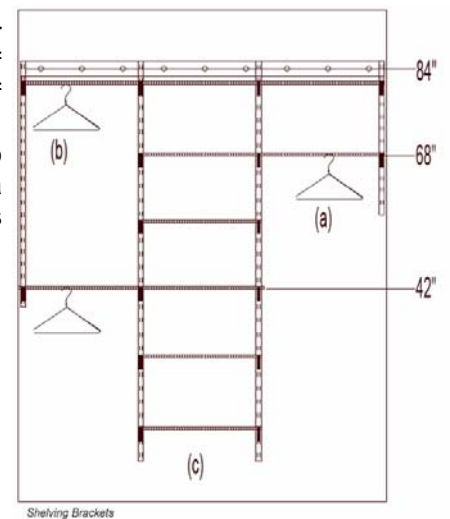
- Shelves may overhang the uprights by up to 3" (a).
- 30" maximum spacing for standard closet or linen applications – supports 50 lbs. per linear foot (b).
- 24" spacing for pantry or laundry applications, supports 75 lbs. per linear foot.



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 taken these percentages into account, attach your Brackets using the following heights as a general guideline, then simply add Rod Clips and Chrome Rods where applicable.

- 68" for long-hang (a).
- 84" and 42" for adult short-hang (b).
- 84", 68", 56", 42", 28", and 14" for shelf stack in closet, pantry or linen (c).
- 84", 56", and 28" for child's triple-hang (not shown).



Design Fundamentals

Shelves/Chrome Rods/Rod Clips

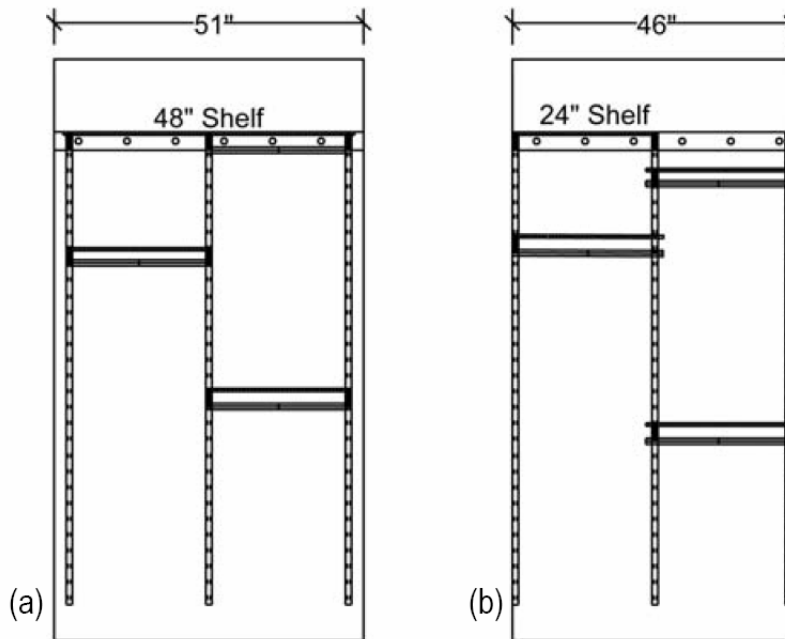
Depth: Shelving is offered in different depths to satisfy different requirements. 12" deep shelving has wide application, including many clothes closets. For large spaces, such as Walk-In closets or pantries, 16" deep shelving offers greater storage capabilities.

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 a 1/2 inch 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 Guide" 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 (1) 48" shelf or two (2) 24" shelves (a).
- Overlaps: allow shelves to overlap by as much as 2". For example, a 46" closet could be designed using two (2) 24" shelves that overlap 2", rather than having to cut down a 48" long shelf (b).



Space Planning Fundamentals

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 will need to know the width, depth, height of header and width of return walls. (See below for "header" and "return walls"). These measurements will 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 good place to start is with the "50/25/25 rule", which allocates 50% of the space for double hang, 25% for long hang and 25% for stacked shelves or O-Boxes. Using this rule for a typical 8-foot Reach-in closet, you would allow 4 feet for short hang, 2 feet for long hang, and 2 feet 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 (see above), 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.

• Child 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 inches, 56 inches, and 84 inches 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 inches, 64 inches, and a storage shelf at 84 inches 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

Bypass doors leave the center of the closet somewhat cumbersome to access. Avoid positioning O-Boxes or Stor-Drawers in the center. Instead, plan less frequently accessed areas, such as long hang, in the center.

• 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

Remember that once you get above the door frame, the wall above the door frame may restrict access to shelving. If the closet is 22" deep, for instance, once you are above the door height (80"), a 16" deep shelf will leave you only 6" of space to place items on a shelf. Use 12" deep shelving at the top of the closet for better access.

Space Planning Fundamentals

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 consumer 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 Chart	Width	Length	Women's Clothing Chart	Width	Length
Sport Coat	2"	39-45"	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"
Folding Clothes	14"	12"	D Blouse	1.25"	36"
			Folding 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.

Weight Capacities

See also page 5, "Hanging Upright", for spacing and weight capacities.

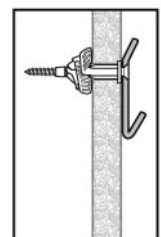
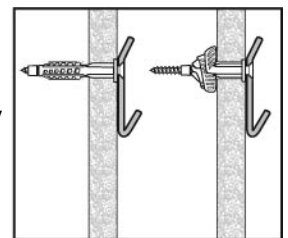
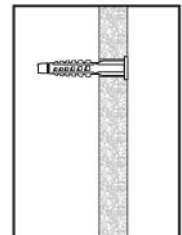
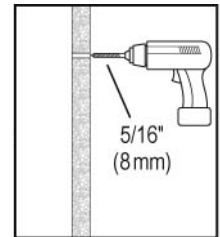
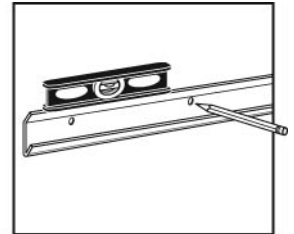
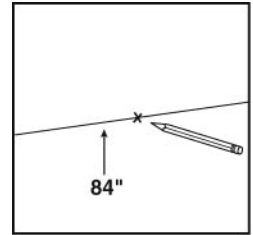
	UPRIGHT SPACING		
	24"	30"	36"
Open Slide® II	75 lbs./ft.	50 lbs./ft.	-----
Profile	100 lbs./ft.	75 lbs./ft.	50 lbs./ft.
Melamine	100 lbs./ft.	75 lbs./ft.	50 lbs./ft.
O-Boxes	250 lbs.	275 lbs.	

Basic Installation

Hanging Rail

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

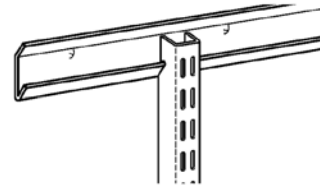
- 1 With measuring tape and pencil, measure up 84" from the floor.
- 2 Using a level, draw a level line at 84".
Method a) Use a long level.
Method b) Use a short level, placed on top of a long Rail.
- 3 Position the Rail on the wall so the 84" line is visible through the Rail mounting holes. Allow 1/2" space between the side wall and the Rail.
- 4 Circle each mounting hole with a pencil where it intersects the level line.
 - 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.
 - As stated previously, there is no need to locate studs. The Universal Anchors and Screws provide maximum system strength even in a hollow wall, drywall application.
 - 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, and come back to it with a smaller 5/32" hole into the stud. (See "Mounting Rail Into Studs", page 16)
6. Insert Anchors into the previously drilled 5/16" holes.
 - 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 insure levelness, then tighten each Screw using a drill with #2 phillips head screw bit attachment.
 - 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 may rosette properly behind the wall. Do not worry about stripping out the Screw. It cannot be over tightened.
9. If you had 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.



Basic Installation

Hanging Uprights

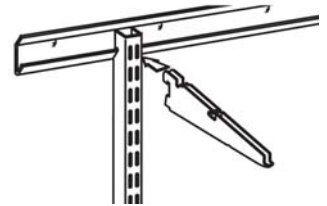
1. Hang Uprights from Rail.
 - See "Design Considerations" for appropriate length and proper spacing of Uprights.



Ventilated Shelving Bracket (VSB)

Insert Brackets into the Uprights wherever a Shelf will be installed.

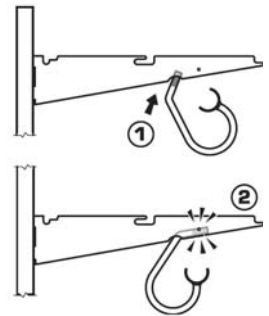
1. Tilt Brackets upward at a slight angle and snap into openings in Uprights.



Rod Clip

Insert a Rod Clip into each Bracket that will be supporting a Chrome Rod for hanging purposes.

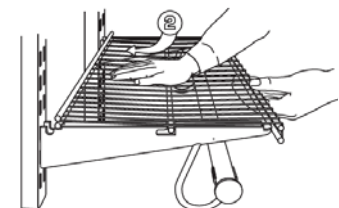
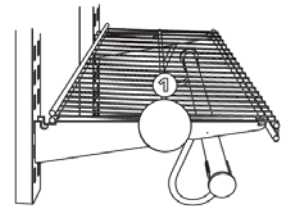
1. Insert Rod Clip into the large hole on the underside of the Bracket.
2. Snap Rod Clip securely into the dimple in the Bracket.



Profile or Open Slide® II Shelves

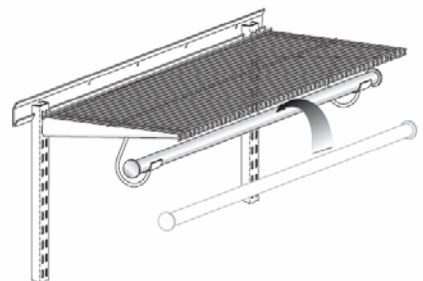
Snap shelves into VSBs according to your closet design layout.

1. Lay shelf onto brackets with center support rod positioned in center bracket notch.
2. 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.



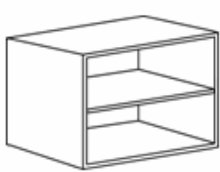
Chrome Rod/Rod Stop

1. 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.
2. Install Chrome Rod onto Rod Clips.
 - Align Chrome Rod under shelf.
 - Put downward pressure on each Chrome Rod until it snaps into place

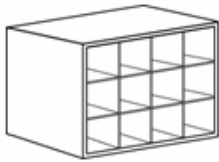


Basic Installation

O-Boxes – 4 Styles



O-Box w/1 Shelf



O-Box w/ Shoe Cubby



O-Box w/2 Drawers



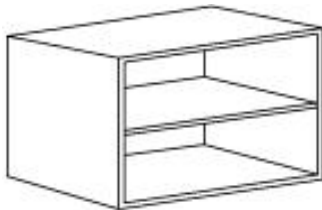
O-Box w/3 Drawers



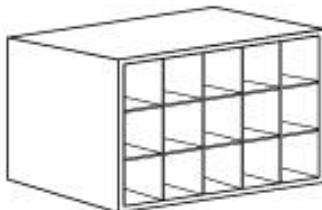
O-Box w/2 Drawers

- Each is packaged as a complete set with all necessary hardware and instructions*.
- Each mounts to the Hanging Uprights
- Each is 24" W x 16-1/4" H x 14" D.
- Each requires a phillips #3 screwdriver or power drill.

Big O-Boxes – 4 Styles



Big O-Box w/1 Shelf



Big O-Box w/ Shoe Cubby



Big O-Box w/2 Drawers



Big O-Box w/3 Drawers

- Each is packaged as a complete set with all necessary hardware and instructions*.
- Each mounts to the Hanging Uprights
- Each is 30" W x 20" H x 16" D.
- Each requires a phillips #3 screwdriver or power drill.

Design Considerations

- If O-Boxes are placed side-by-side, two (2) side-by-side Uprights are required.
- If the O-Box is placed into 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.

Technical Specifications

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:

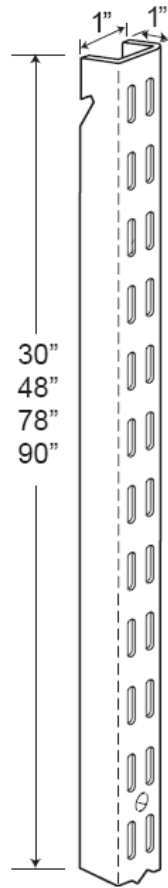
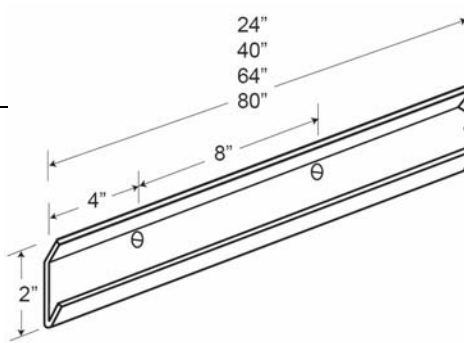
- Countersunk holes in the Hanging Rail are placed every 8" on center. Hardware provided in the #9137 package enables mounting into:
 - hollow walls
 - studs
 - masonry
- When installing into drywall, use 7913-9137-11, Universal Anchor.
- Use Rail mounting holes every 8".
- Uprights are then hung from 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"
Open Slide II	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

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

Technical Specifications

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 into 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.

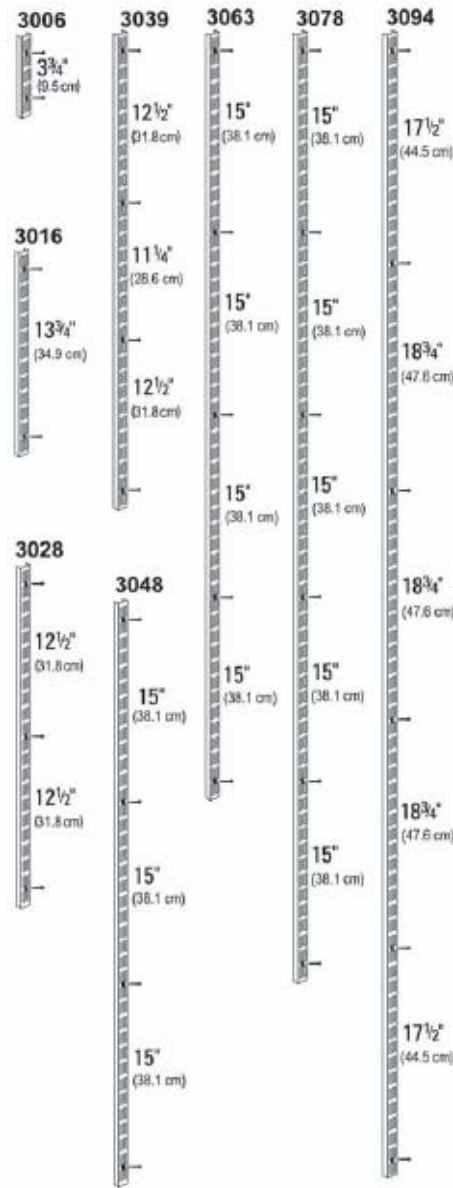
UPRIGHT SPACING:

- 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

Technical Specifications

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:

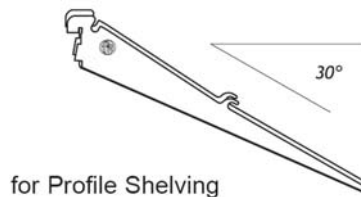
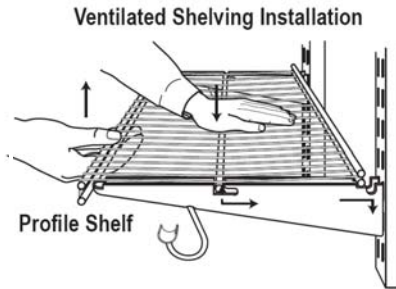
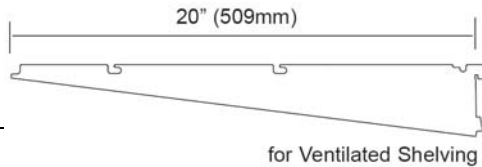
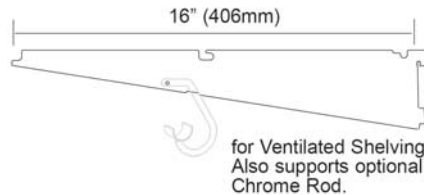
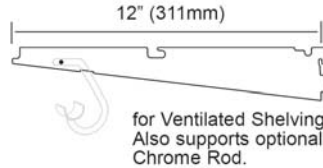
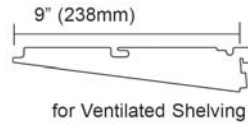
- Ventilated Shelves snap and lock into Bracket without additional hardware (see below) and cannot be unintentionally removed.

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

Technical Specifications

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:

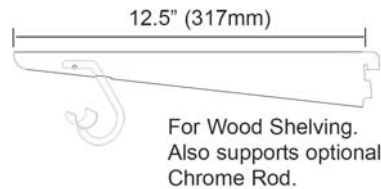
- Wood shelves are secured to Brackets using Shelf Locators (double face tape) or Shelf Screws (for more permanent applications).

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"			✓		

Technical Specifications

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:

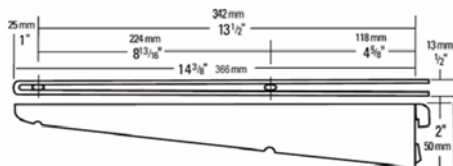
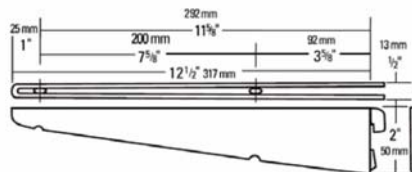
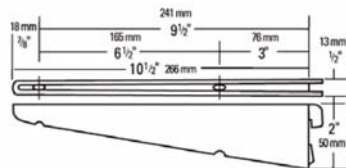
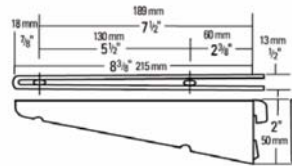
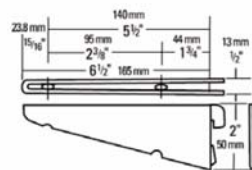
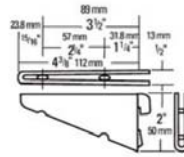
- Shelving may be attached to Brackets through the use of 7913-9158 Shelf Locators (doubleface tape application).
 - More permanent shelf-to-bracket attachment can be achieved with 7913-9155 Shelf Screws.
 - Two holes on the bottom of each Bracket are countersunk for #6 Flathead Wood Screws to attach 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

Technical Specifications

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:

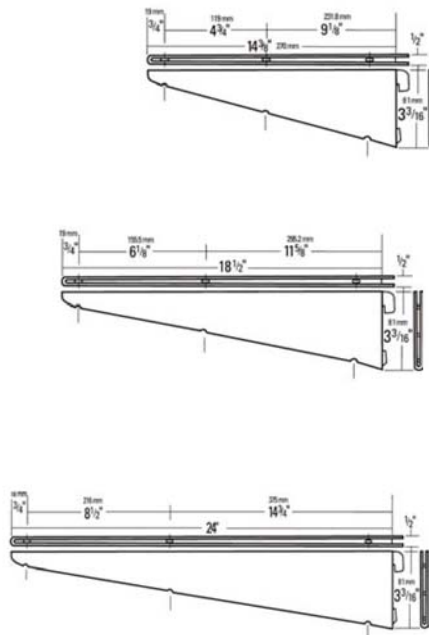
- .065" (1.6mm) 1008 steel.
- Single piece of formed steel.

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

Technical Specifications

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:

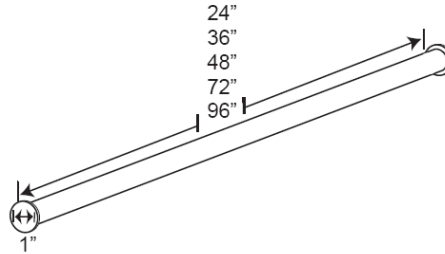
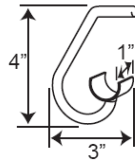
- Mount Rod Clip through hole in bottom of Bracket.

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

Technical Specifications

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:

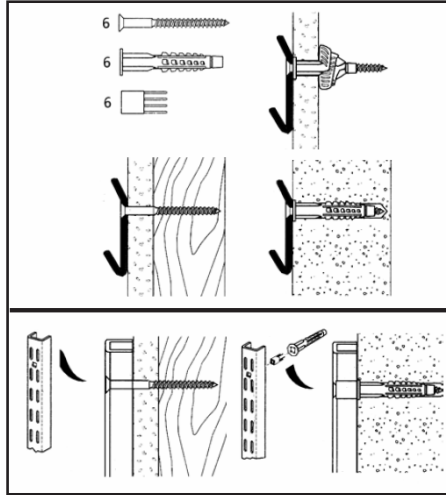
- Drill 5/16" hole and insert Anchor firmly into wall.
- Tighten Screws into Anchors using #2 Phillips bit. After Screw is flush, give Screw 6-8 more turns to allow Anchor to tighten behind the wall.
- If mounting into studs, drill pilot holes every 16" using 5/32" drill bit.

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

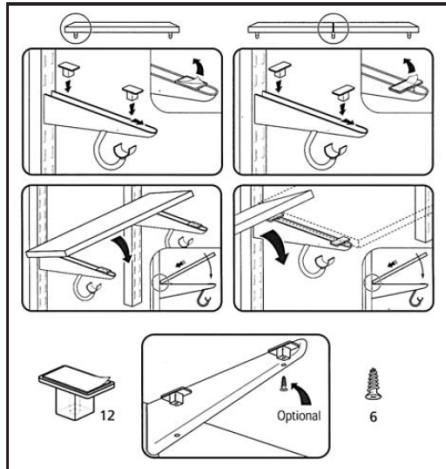
7913-9137-11

- 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.



Technical Specifications

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:

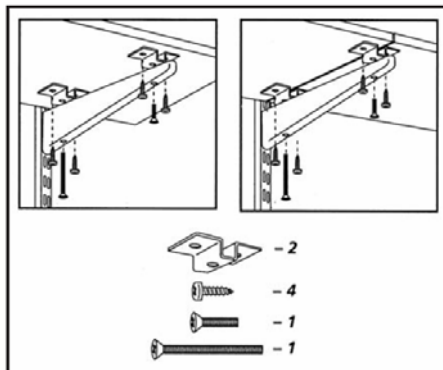
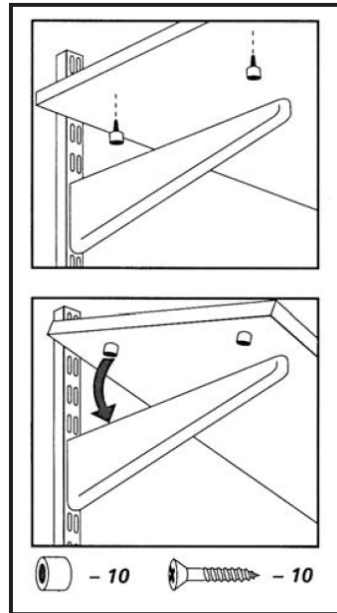
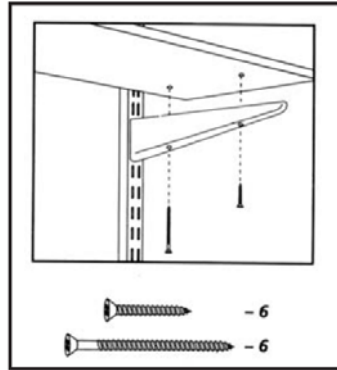
- Drill pilot hole in shelf with $3/32"$ drill $1/4"$ deep.
- Use 2" screws for back holes in Brackets 1-1/8" for front holes.

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

- Cabinet Maple= Casco H1400- DURAMINE # G403
- Harvest Cherry= Casco H1417- DURAMINE # G522
- Oxford White= Casco W600- DURAMINE # W811
- Fog Gray= Casco U212- DURAMINE # S211
- Graphite= Casco M610-DURAMINE # M610

Warranty

freedomRail® 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.

TEN YEAR LIMITED WARRANTY

- (a) Catalog number and a description of the storage systems' component part (a photograph showing the defective part would be helpful in resolving the claim).
- (b) DETAILED explanation of the defect.
- (c) Name(s) and address(es) of the owner and the installer.
- (d) Sales receipt or other proof of purchase.