



**Hamilton Scientific
Inset Steel Casework**

configurable designs
for dynamic laboratories

Inspiring progress.



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Warranty

Hamilton Scientific L.L.C. warrants to the direct purchaser that the products manufactured by it will be free from defects in material and workmanship for a period of one year from the date of installation. Hamilton Scientific will, at its sole option, either repair or replace any product during the warranty period which its examination reveals to have been defective, except that no warranty shall apply to accessories or parts or to any product which has been repaired by any party other than an authorized Hamilton Scientific L.L.C. Dealer. Hamilton Scientific shall have no obligation to repair or replace any product which has been subject to alteration, abuse, neglect or misuse or which has not been installed in strict conformity with the written instructions of Hamilton Scientific L.L.C. ***Hamilton Scientific L.L.C. expressly disclaims all other warranties, express or implied, including the implied warranties of merchantability and fitness for a particular purpose.*** Under no circumstances whatsoever shall Hamilton Scientific L.L.C. be liable for any incidental or consequential damages, whether based on loss of goodwill, lost profits, or otherwise, and whether arising out of breach of any express or implied warranty, breach of contract, negligence, or otherwise, except in the case of personal injury as may be required by applicable state law.

No employee, agent or representative of Hamilton Scientific L.L.C., including, without limitation, any Hamilton Scientific L.L.C. Dealer, is authorized to bind Hamilton to any representation or warranty beyond that which is set forth above.



All Hamilton Scientific products meet standards of the Scientific Equipment & Furniture Association (SEFA) and are designed exclusively to meet the needs of laboratories.

It's easy to specify Hamilton Scientific Steel

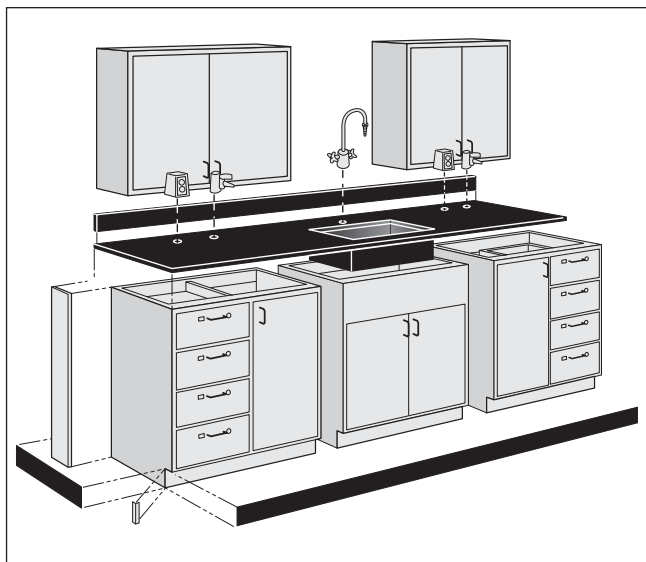
Just follow these steps to design your ideal laboratory environment.

1. Review Introduction – Review the quick introduction (see pages 4-9) to the Hamilton Scientific Inset Steel laboratory casework system.

2. Casework Assembly Components – Select components from pages 17-84 and specify by number and quantity.

and/or

3. Pharmacy Components – Select pharmacy components from pages 85-95 and specify by number and quantity.



3. Options – Choose from the Inset Steel Options Menu listed on Page 10-15.

4. Steel Cabinet Finish – Choose from the steel color selections listed on Page 10-14.

5. Fume Hoods – Choose laboratory fume hoods from the Hamilton Scientific Fume Hood Product Specification Catalog.

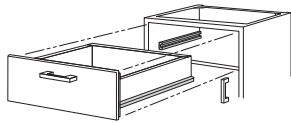
6. Accessories – Choose any accessories from the Hamilton Scientific Fixtures and Accessories Product Specification Catalog.

7. Work Surfaces – Select work surfaces from pages 98-104.

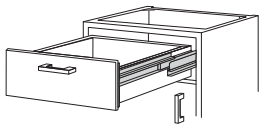
8. Service Fixtures – Choose service fixtures for furniture and laboratory fume hoods from the Fixtures and Accessories Product Specification Catalog.

Option Menu — Tradition® Steel Laboratory Furniture**Tradition® Inset Steel Cabinet Options**

☐ Check here for all **Standard Default** selections.

1 Drawer Suspension

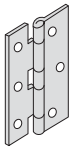
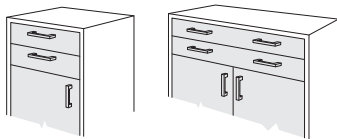
- ☐ Self-Closing, self-centering, hold-open feature. 100 Pound drawer runs. **Standard Default**



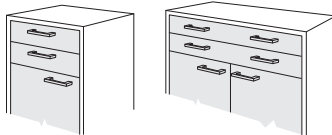
- ☐ SEFA 8 – 150 Pound full extension drawer slides on all drawers. (Standard on file drawers)

2 Hinges

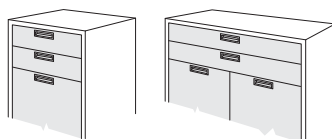
- ☐ Stainless Steel **Standard Default**
☐ Black with zinc-plated screws.

**3 Tradition Steel Pull Locations**

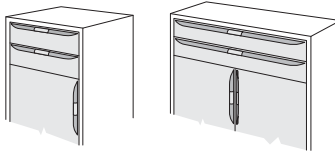
- ☐ **CONFIGURATION 1***
Horizontal on drawers, vertical on doors
Standard Default



- ☐ **CONFIGURATION 2***
Horizontal on drawers and doors

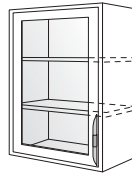


- ☐ **CONFIGURATION 3***

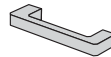
3 Tradition Steel Pull Locations (continued)

- ☐ **CONFIGURATION 4***
Full-Width horizontal on drawers, vertical pull on doors

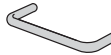
***NOTE: Wall, Upper and Tall Cases always have vertical pulls.**

**4a Pull Types - Available in Configuration 1 & 2 Only**

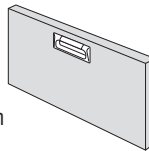
- ☐ Brushed Aluminum rectangular style finger pull. **Standard Default**



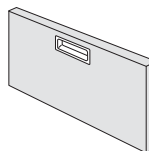
- ☐ Aluminum wire finger pull
☐ Chameleon powdercoat wire
☐ Black powdercoat wire
☐ Gray powdercoat wire
☐ Stainless steel wire
☐ Satin chrome wire
☐ Polished chrome wire (Plated)

**4b Pull Type - Available in Configuration 1, 2 & 3**

- ☐ Semi-Recessed Polypropylene **Option**
☐ Black ☐ Chameleon
☐ Gray ☐ White

**4c Pull Type - Available in Configuration 3 Only**

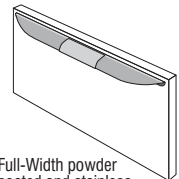
- ☐ Flush Stainless Steel Pull No. 28127, Configuration 3 Only **Option**

**4d Pull Type - Available in Configuration 4 Only**

- ☐ Full-Width (On Drawers) Powder Coated Steel

Option

- ☐ PW
☐ SW
☐ CH
☐ PL
☐ SA
☐ SS
☐ G1
☐ G3
☐ KK
☐ DK
☐ PM
☐ HG
☐ BS
☐ BL
☐ IN
☐ PA
☐ BD
☐ BK

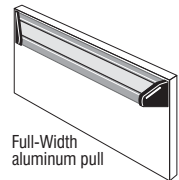


Full-Width powder coated and stainless steel pull

- ☐ Full-Width (On Drawers) Stainless Steel Pull

Option

- ☐ Full-Width (On Drawers) Aluminum Pull **Option**



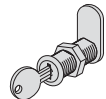
Full-Width aluminum pull

5 Door Catches

- Roller Door Catch **Standard Default**

**6 Lock Types - Designated by Cabinet Suffix "L"**

- ☐ National Master 5-Disc (Remove-A-Core) **Standard Default**
Use when up to 225 primary key changes are required.



- ☐ National Master 5-Pin

- ☐ National Grand Master 5-Pin
Use when up to 2000 primary key changes are required. Note: Grand Master 5-Pin option is a standard option with an eight-week leadtime.

Option Menu — Tradition® Steel Laboratory Furniture

Tradition® Inset Steel Cabinet Options

7 Label Holders

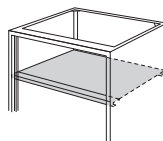
- ☐ None **Standard Default**
- ☐ One each door/one each drawer head.
 - ☐ Stainless Steel ☐ Black
- ☐ One per pair of doors/one each drawer head.
 - ☐ Stainless Steel ☐ Black



Note: Check "None" when Full-Width and Semi-Recessed Polypropylene door/drawer pulls are selected. (pulls feature integral label holder)

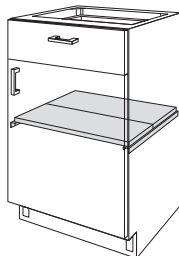
11 Security Panels – Between Locked Sections

- ☐ Without Security Panel. **Standard Default**
- ☐ With Security Panel.



8 Base Unit Shelf

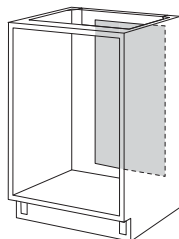
- ☐ One-Piece. **Standard Default**
- ☐ Split (2-Pieces).



9 Removable Access Panel

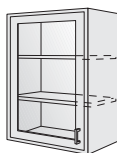
Available on 100S and 200S Series base cabinets only.

- ☐ At cupboard areas only. **Standard Default**
- ☐ At both cupboard and drawer areas.



10 Glass – Framed and/or Unframed Doors

- ☐ 6mm Clear Float Glass – clear. **Standard Default**
- ☐ 6mm Tempered Safety Glass.
- ☐ 6mm Laminated Safety Glass.



Contrast® Inset Steel Cabinet Options

Cabinet Finish Selection

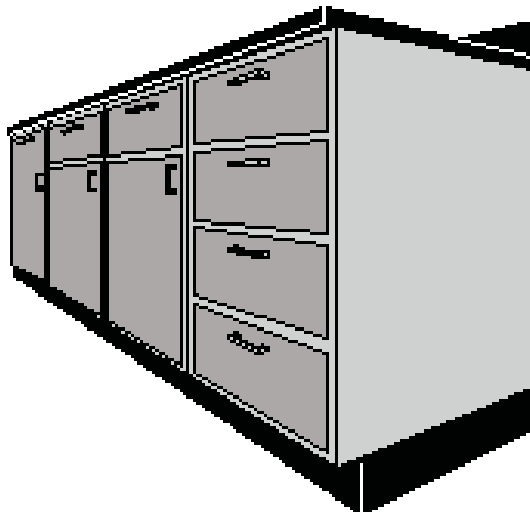
Select from 18 standard colors.

For cabinet shell, select from the 18 steel colors listed below.

For door and drawer fronts, select from the wood or plastic laminate colors listed below.

Use the two-letter code before each color name to specify color choice.

NOTE: Actual color samples are recommended prior to making a final selection. Contact your Fisher Hamilton Representative.



Cabinet Selection

Color Code	Steel Reference Color
☐ PW	Petal White
☐ SW	Shell White
☐ CH	Chameleon
☐ PL	Platinum
☐ SA	Sand
☐ SS	Sandstone
☐ G1	Dove Gray
☐ G3	Gray Slate
☐ KK	Khaki
☐ DK	Dark Khaki
☐ PM	Piedmont Green
☐ HG	Hunter Green
☐ BS	Blue Slate
☐ BL	Blue
☐ IN	Indigo
☐ PA	Purple
☐ BD	Brown Burgundy
☐ BK	Black

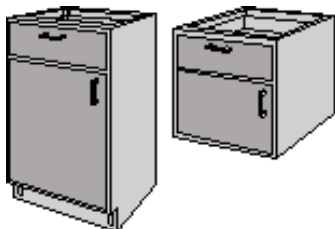
Door & Drawer Fronts Selection

Wood Cabinet Stains	Color Code	Plastic Laminate Reference Color
Red Oak	☐ 9Y	Frosty White
Bratton Cherry	☐ LD	White
Ceylon Teak	☐ 9P	Antique White
English Oak	☐ 9T	Gray
Honey Oak	☐ 9R	Dove Gray
Tinted Clear	☐ 7Y	Fashion Gray
Clear	☐ 6Q	Platinum
Sable Tan	☐ 6I	Natural Almond
Santa Fe	☐ 8Q	Lapis Blue
Bamboo	☐ 8Y	Featherstone
Caramelized Flat Cut	☐ 9O	Black
Caramelized Vertical Cut	☐ 9S	Haze
Natural Flat Cut	☐ 6F	Atlantis
Natural Vertical Cut	☐ 9U	Putty
Steamed Beech	☐ 6W	Pepperdust
Clear	☐ 9X	Light Beige
Maple	☐ LE	Grey Nebula
Ceylon Teak	☐ 9Q	White Nebula
Santa Fe		
Tinted Clear		
Clear		
Honey Maple		

Contrast® Inset Steel Cabinet Options

NOTE: All Options Must Be “COOLED”

1 Contrast: Inset Steel Cabinet Door/Drawer Front Style



Inset styling features an exposed cabinet frame surrounding doors and drawers. Contrast door and drawer fronts are available in wood or plastic laminate construction.

1c Plastic Laminate Door/ Drawer Fronts Option

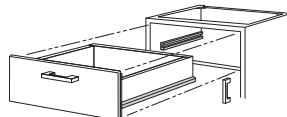
Color Code

--	--

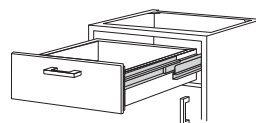
3mm PVC Edgeband with:

- ☐ Black ☐ Chameleon
☐ Gray ☐ White

2 Drawer Suspension



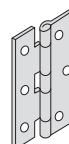
- ❑ Self-Closing, self-centering, hold-open feature. 100 Pound drawer runs.



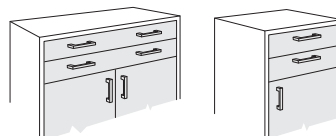
- ☐ SEFA 8 – 150 Pound full extension drawer slides. (Standard on file drawers)

3 Cabinet Hinges

- ☐ Stainless Steel
- ☐ Black with zinc-plated screws.

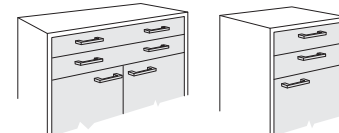


4 Pull Direction

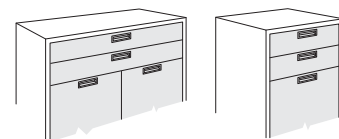


- ☐ Configuration 1*
(Horizontal on drawers,
vertical on doors)

4 Pull Direction (continued)



- ☐ Configuration 2*
(Horizontal on drawers and
base cabinet doors only)



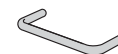
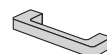
- ☐ Configuration 3*

*Note: Wall, Upper and Tall Cases always have vertical pulls.



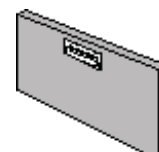
5a Drawer/Door Pulls – For Pull Direction Configuration 1 & 2 Only

- ☐ Brushed Aluminum rectangular style
- ☐ Aluminum wire
- ☐ Chameleon wire (Powdercoat)
- ☐ Black wire (Powdercoat)
- ☐ Gray wire (Powdercoat)
- ☐ Stainless steel wire
- ☐ Satin chrome wire
- ☐ Polished chrome wire (Plated)
- ☐ Bright chrome wire (Powdercoat)
- ☐ Goldtone wire (Powdercoat)



5b Drawer/Door Pulls – For Pull Direction Configurations 1, 2 & 3

- ☐ Semi-recessed Polypropylene pull.
- ☐ Black
- ☐ Gray
- ☐ Chameleon
- ☐ White



1a Red Oak Wood Door/
Dr

- ☐ ☐ ☐ ☐ ☐ ☐

For wood laboratory casework information, please access the

**Hamilton Scientific
Wood Products
Specification Catalog**
or

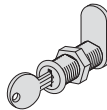
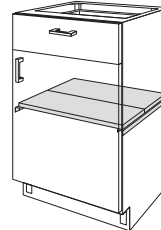
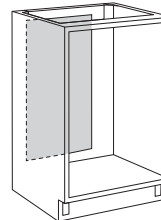
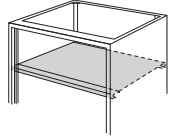
consult your local sales representative for assistance.

www.hamiltonscientific.com

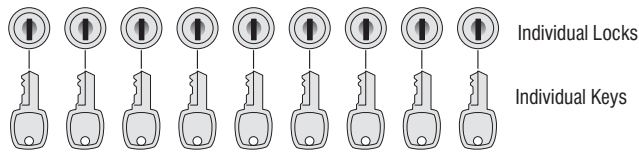
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Color Code		

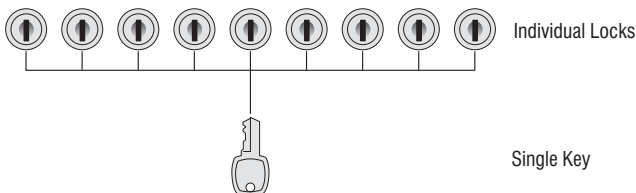
Option Menu — Contrast® Steel Laboratory Furniture**Contrast® Inset Steel Cabinet Options****5c Drawer/Door Pulls
– For Pull Direction
Configuration 3 Only**☐ Full-Width (On Drawers)
Powder Coated Steel☐ PW☐ SW☐ CH☐ PL☐ SA☐ SS☐ G1☐ G3☐ KK☐ DK☐ PM☐ HG☐ BS☐ BL☐ IN☐ PA☐ BD☐ BKFull-Width
Powder Coat and
Stainless Steel☐ Full-Width Stainless Steel
(On Drawers)☐ Full-Width
Aluminum
(On Drawers)Full-Width
Aluminum**6 Door Catches**Roller Catch
(No Options)**7 Lock Types –
Designated by Cabinet Suffix “L”**☐ National Master 5-Disc
(Remove-A-Core)
Use when up to 225
primary key changes
are required.☐ National Master 5-Pin*☐ National Grand Master 5-Pin**Use when up to 2000 primary key
changes are required. Eight-week
leadtime.**8 Label Holders**☐ None*☐ One each door/one each
drawer head.☐ Stainless Steel ☐ Black☐ One per pair of doors/one each
drawer head.☐ Stainless Steel ☐ Black**Note:** Check “None” when Full-Width and
Semi-Recessed Polypropylene
door/drawer pulls are selected. (pulls feature integral label holder)**9 Base Unit Shelf**☐ One-Piece
(Standard).☐ Split
(2-Pieces).**10 Removable Access Panel**Available on 100S
and 200S Series
base cabinets only.☐ At cupboard
areas only.☐ At both
cupboard and
drawer areas.**11 Glass – Framed and/or
Unframed Doors**☐ Float Glass –
clear 6mm.☐ Safety Glass –
Laminated, 6mm
(framed).☐ Safety Glass – Tempered, 6mm
(framed).**12 Security Panels –
Between Locked Sections**☐ Without Security
Panel.☐ With Security
Panel.

Master Keyed - Keyed Different



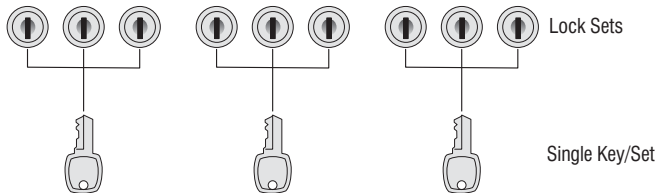
- Disk tumbler locks: Available
- Pin tumbler locks: Available

Master Keyed - Keyed Alike



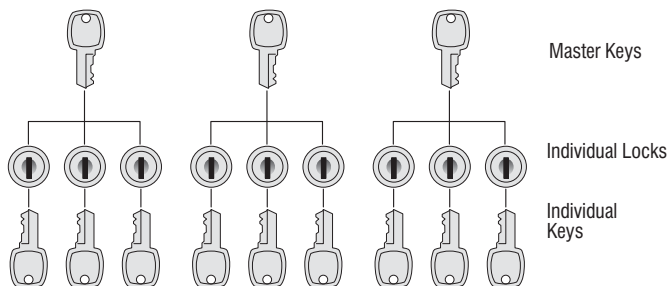
- Disk tumbler locks: Available
- Pin tumbler locks: Available

Master Keyed - Keyed in Sets



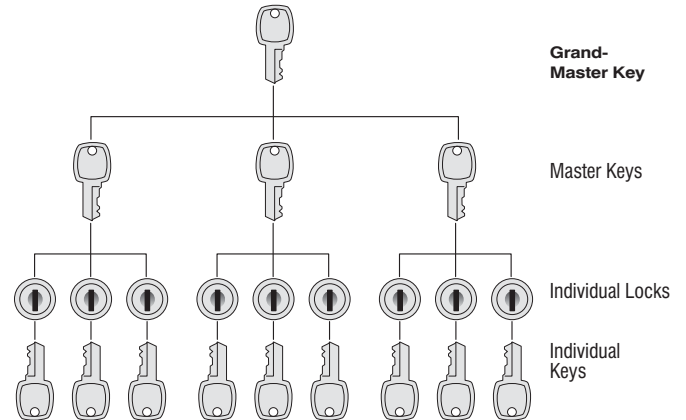
- Disk tumbler locks: Available
- Pin tumbler locks: Available
- Each set keyed alike but different from other sets

Master Keyed



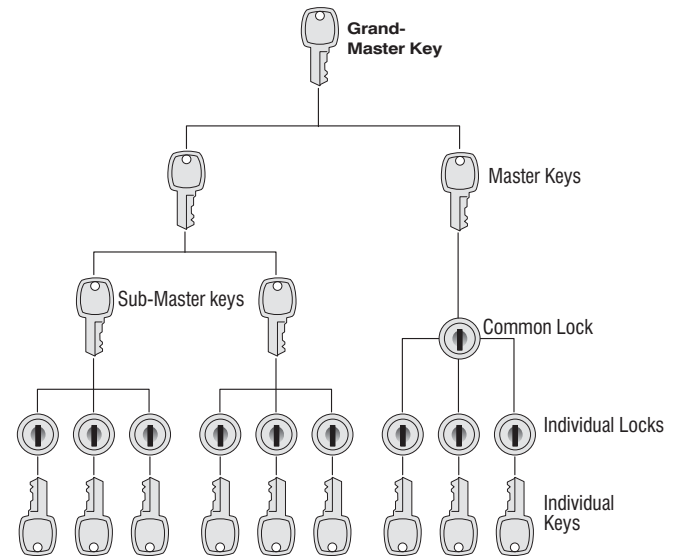
- Disk tumbler locks: Available
- Pin tumbler locks: Available

Grand-Master and Master Keyed



- Disk tumbler locks: Not available
- Pin tumbler locks: Available
- Extended lead time probability

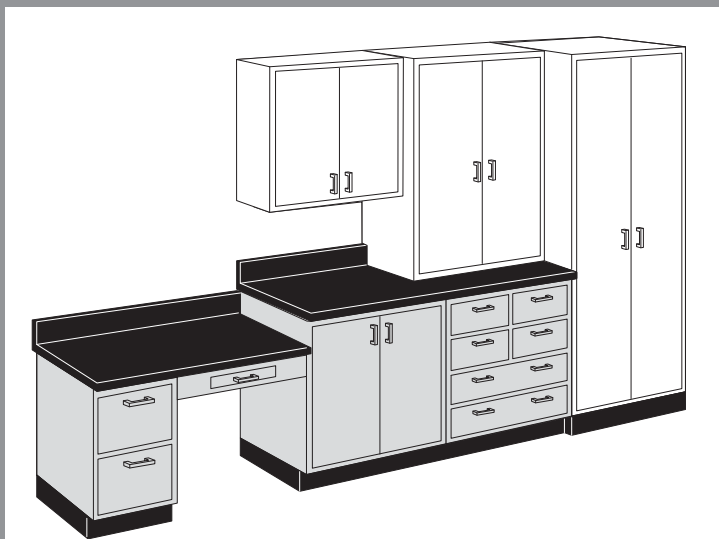
Grand-Master, Master, Sub-Master and Maison Keyed



- Disk tumbler locks: Not available
- Pin tumbler locks: Available
- Extended lead time probability

NOTE: Disk tumbler – up to 225 primary key changes
Pin tumbler – up to 2,000 primary key changes
EXAMPLE: If 400 locks are needed, and disk tumblers are used, some keys would be duplicated. If pin tumblers are used, all keys can be different.

Casework Assembly Components



This Locating Diagram appears on the first page of each Casework Assembly Component subsection. The component covered in that subsection appears as shaded.

Steel casework assemblies incorporate infinite combinations of modular cabinets and related components. Cabinets are fastened together and abutted or attached to the surrounding building structure with fillers, scribes and base molding. The Hamilton Scientific Inset Steel product offering features a broad, comprehensive selection of cabinets and related components to meet the requirements of any application.

The following Hamilton Scientific assembly components for Inset Steel are offered in this section:

Base Cabinets	p. 18–45
Wall Cases	p. 47–55
Upper Cases	p. 57–60
Tall Cases	p. 61–68
Cabinet/Case Accessories	p. 69–71
Tables	p. 73–78
Shelving & Racks	p. 79–82
Umbilical Chases	p. 82–83

All drawer height dimensions in this catalog are inside drawer height.

Base Cabinets

Steel base cabinets are available in a variety of styles and sizes to fit virtually any laboratory layout. Cabinets can be used in wall, peninsula and island configurations. Select from open, drawer, door and combination styles in both sitting and standing heights as well as different widths.

A selection of specialty cabinets including acid cabinets, flammable liquid and fume hood cabinets is also featured in this section.

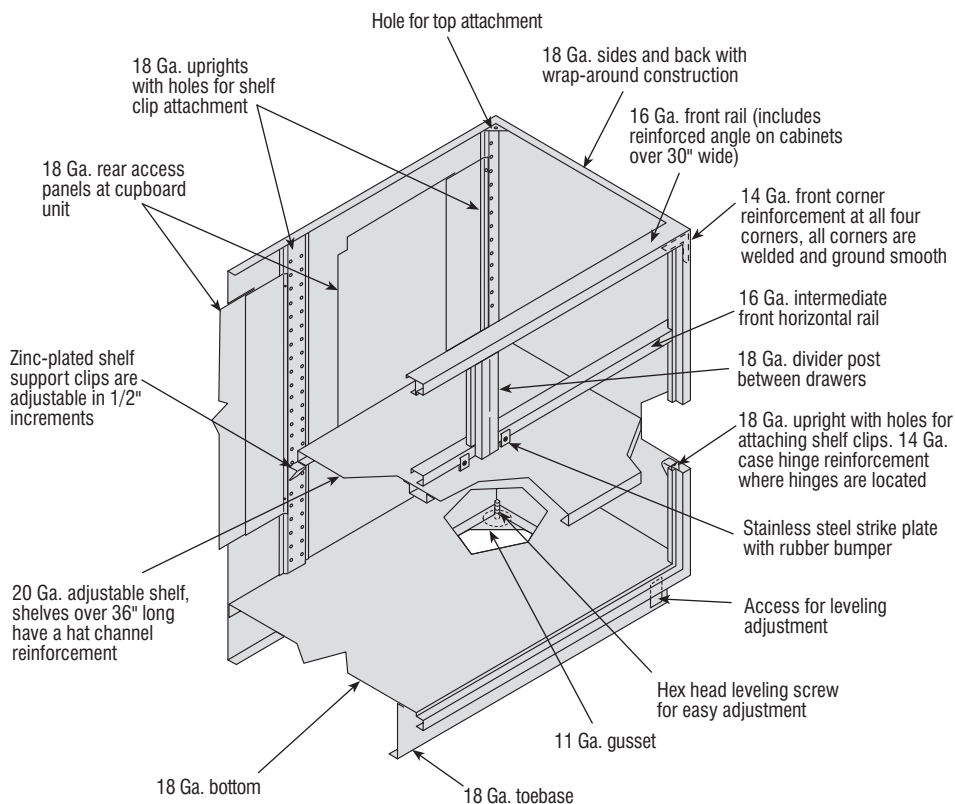
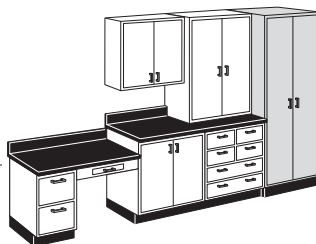
**Sitting Height
Base Cabinets** p. 19–22

**Standing Height
Base Cabinets** p. 23–29

Specialty Base Cabinets . . . p. 30–37

Mobile Base Cabinets p. 38–39

**Base Cabinet
Components** p. 39–45

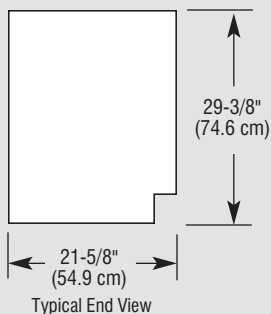


Steel Doors and Drawers:

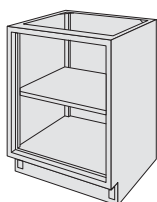
- Doors are 20 gauge interior and 18 gauge exterior panels filled with sound deadening material; a 14 Gauge steel reinforcement is added at hinge locations and a 20 gauge vertical reinforcement channel is provided in each door.
- Doors are equipped with a nylon roller catch. When a lock is supplied with double doors, an elbow catch is provided on the left-hand door.
- Drawer heads are 20 gauge filled with sound deadening material.
- The one-piece drawer body is 20 gauge with a coved bottom.
- The drawer suspension is 14 gauge with nylon-tired ball-bearing rollers and self-closing self-centering and hold-open feature. Full-extension telescoping drawer suspension is available as an option.

Wood Doors and Drawer Heads:

- 3/4" thick veneer clad particle board core with 3mm thick veneer edge banding.
- The drawer suspension is 14 gauge with nylon-tired ball-bearing rollers and self-closing self-centering and hold-open feature. Full-extension telescoping drawer suspension is available as an option.

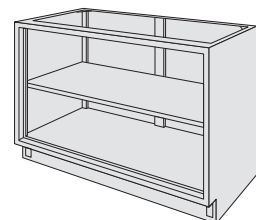
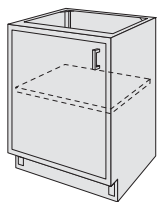
Base Cabinets**Sitting Height – 29-3/8" High By 21-5/8" Deep**

- Shelves are adjustable in 1/2" (1.3 cm) increments.
- Units are standard without locks. Replace the "0" with an "L" in the eighth position of product number to specify a unit with locks for drawers and doors. Lock and security panel options must be specified on the Options Menu pages 10-15.
- Available with service access in back as noted.
- See page 45 to order additional shelves.

Open Cabinets

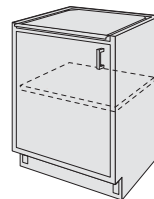
- Adjustable shelf

Product No.	Width
Service Access	
100S1220	15" (38.1 cm)
100S2220	18" (45.7 cm)
100S3220	21" (53.3 cm)
100S4220	24" (61.0 cm)
100S5220	30" (76.2 cm)
100S6220	36" (91.4 cm)
100S7220	42" (106.7 cm)
100S8220	48" (121.9 cm)
Solid Back	
300S1220	15" (38.1 cm)
300S2220	18" (45.7 cm)
300S3220	21" (53.3 cm)
300S4220	24" (61.0 cm)
300S5220	30" (76.2 cm)
300S6220	36" (91.4 cm)
300S7220	42" (106.7 cm)
300S8220	48" (121.9 cm)

**Door Cabinets**

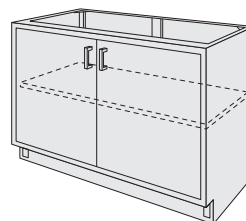
- Solid hinged door
- Adjustable shelf

Product No.	Width
Right-Hinged, Back with Service Access	
102S1220	15" (38.1 cm)
102S2220	18" (45.7 cm)
102S3220	21" (53.3 cm)
102S4220	24" (61.0 cm)
Right-Hinged, Solid Back	
302S1220	15" (38.1 cm)
302S2220	18" (45.7 cm)
302S3220	21" (53.3 cm)
302S4220	24" (61.0 cm)
Left-Hinged, Back with Service Access	
103S1220	15" (38.1 cm)
103S2220	18" (45.7 cm)
103S3220	21" (53.3 cm)
103S4220	24" (61.0 cm)
Left-Hinged, Solid Back	
303S1220	15" (38.1 cm)
303S2220	18" (45.7 cm)
303S3220	21" (53.3 cm)
303S4220	24" (61.0 cm)

Door Cabinets (continued)

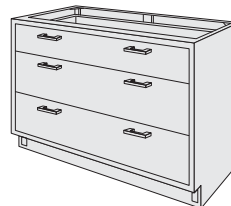
- Solid hinged door
- Adjustable shelf
- Pullboard

Product No.	Width
Right-Hinged, Back with Service Access	
124S1220	15" (38.1 cm)
124S2220	18" (45.7 cm)
124S3220	21" (53.3 cm)
124S4220	24" (61.0 cm)
Right-Hinged, Solid Back	
324S1220	15" (38.1 cm)
324S2220	18" (45.7 cm)
324S3220	21" (53.3 cm)
324S4220	24" (61.0 cm)
Left-Hinged, Back with Service Access	
125S1220	15" (38.1 cm)
125S2220	18" (45.7 cm)
125S3220	21" (53.3 cm)
125S4220	24" (61.0 cm)
Left-Hinged, Solid Back	
325S1220	15" (38.1 cm)
325S2220	18" (45.7 cm)
325S3220	21" (53.3 cm)
325S4220	24" (61.0 cm)



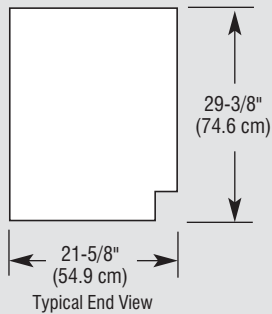
- Solid hinged doors
- Adjustable shelf

Product No.	Width
Back with Service Access	
106S5220	30" (76.2 cm)
106S6220	36" (91.4 cm)
106S7220	42" (106.7 cm)
106S8220	48" (121.9 cm)
Solid Back	
306S5220	30" (76.2 cm)
306S6220	36" (91.4 cm)
306S7220	42" (106.7 cm)
306S8220	48" (121.9 cm)

Drawer Cabinets

- One 6" (15.2 cm) high drawer above two 9" (22.7 cm) high drawers

Product No.	Width
Back with Service Access	
104S5220	30" (76.2 cm)
104S6220	36" (91.4 cm)
104S7220	42" (106.7 cm)
104S8220	48" (121.9 cm)
Solid Back	
304S5220	30" (76.2 cm)
304S6220	36" (91.4 cm)
304S7220	42" (106.7 cm)
304S8220	48" (121.9 cm)

Base Cabinets**Sitting Height – 29-3/8" High By 21-5/8" Deep**

- Shelves are adjustable in 1/2" (1.3 cm) increments.
- Units are standard without locks. Replace the "0" with an "L" in the eighth position of product number to specify a unit with locks for drawers and doors. Lock and security panel options must be specified on the Options Menu pages 10-15.
- Available with service access in back as noted.
- See page 45 to order additional shelves.

Drawer Cabinets (continued)

- Two 6" (15.2 cm) high drawers above one 12" (30.5 cm) high file drawer
- File drawer with full extension slides
- Pullboard

Product No.	Width
Back with Service Access	
130S2220	18" (45.7 cm)
130S3220	21" (53.3 cm)
130S4220	24" (61.0 cm)
Solid Back	
330S2220	18" (45.7 cm)
330S3220	21" (53.3 cm)
330S4220	24" (61.0 cm)



- Four 6" (15.2 cm) high drawers
- Pullboard

Product No.	Width
Back with Service Access	
133S1220	15" (38.1 cm)
133S2220	18" (45.7 cm)
133S3220	21" (53.3 cm)
133S4220	24" (61.0 cm)
Solid Back	
333S1220	15" (38.1 cm)
333S2220	18" (45.7 cm)
333S3220	21" (53.3 cm)
333S4220	24" (61.0 cm)



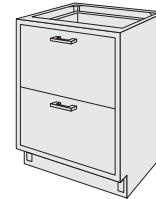
- Two 3" (7.62 cm) high drawers above three 6" (15.2 cm) high drawers

Product No.	Width
Back with Service Access	
134S1220	15" (38.1 cm)
134S2220	18" (45.7 cm)
134S3220	21" (53.3 cm)
134S4220	24" (61.0 cm)
Solid Back	
334S1220	15" (38.1 cm)
334S2220	18" (45.7 cm)
334S3220	21" (53.3 cm)
334S4220	24" (61.0 cm)

Drawer Cabinets (continued)

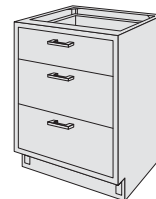
- Two 6" (15.2 cm) high drawers above one 12" (30.5 cm) high file drawer
- File drawer is equipped with full extension slides

Product No.	Width
Back with Service Access	
139S2220	18" (45.7 cm)
139S3220	21" (53.3 cm)
139S4220	24" (61.0 cm)
Solid Back	
339S2220	18" (45.7 cm)
339S3220	21" (53.3 cm)
339S4220	24" (61.0 cm)



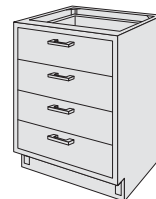
- Two 12" (30.5 cm) high file drawers
- File drawers are equipped with full extension slides

Product No.	Width
Back with Service Access	
140S2220	18" (45.7 cm)
140S3220	21" (53.3 cm)
140S4220	24" (61.0 cm)
Solid Back	
340S2220	18" (45.7 cm)
340S3220	21" (53.3 cm)
340S4220	24" (61.0 cm)



- One 6" (15.2 cm) high drawer above two 9" (22.7 cm) high drawers

Product No.	Width
Back with Service Access	
142S1220	15" (38.1 cm)
142S2220	18" (45.7 cm)
142S3220	21" (53.3 cm)
142S4220	24" (61.0 cm)
Solid Back	
342S1220	15" (38.1 cm)
342S2220	18" (45.7 cm)
342S3220	21" (53.3 cm)
342S4220	24" (61.0 cm)



- Four 6" (15.2 cm) high drawers

Product No.	Width
Back with Service Access	
145S1220	15" (38.1 cm)
145S2220	18" (45.7 cm)
145S3220	21" (53.3 cm)
145S4220	24" (61.0 cm)
Solid Back	
345S1220	15" (38.1 cm)
345S2220	18" (45.7 cm)
345S3220	21" (53.3 cm)
345S4220	24" (61.0 cm)

Base Cabinets**Sitting Height – 29-3/8" High By 21-5/8" Deep****Combination Cabinets**

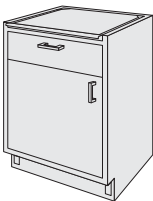
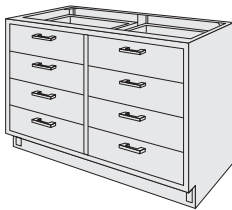
- Two 6" (15.2 cm) high drawers above three full-width 6" (15.2 cm) high drawers

Product No.	Width
Back with Service Access	
155S5220	30" (76.2 cm)
155S6220	36" (91.4 cm)
155S7220	42" (106.7 cm)
155S8220	48" (121.9 cm)
Solid Back	
355S5220	30" (76.2 cm)
355S6220	36" (91.4 cm)
355S7220	42" (106.7 cm)
355S8220	48" (121.9 cm)



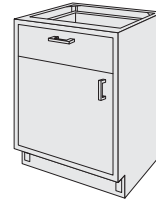
- Eight 6" (15.2 cm) high drawers

Product No.	Width
Back with Service Access	
161S4220	24" (61.0 cm)
161S5220	30" (76.2 cm)
161S6220	36" (91.4 cm)
161S7220	42" (106.7 cm)
161S8220	48" (121.9 cm)
Solid Back	
361S4220	24" (61.0 cm)
361S5220	30" (76.2 cm)
361S6220	36" (91.4 cm)
361S7220	42" (106.7 cm)
361S8220	48" (121.9 cm)



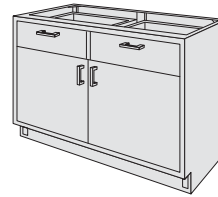
- One 6" (15.2 cm) high drawer above a cupboard
- Pullboard

Product No.	Width
Right-Hinged, Back with Service Access	
126S1220	15" (38.1 cm)
126S2220	18" (45.7 cm)
126S3220	21" (53.3 cm)
126S4220	24" (61.0 cm)
Right-Hinged, Solid Back	
326S1220	15" (38.1 cm)
326S2220	18" (45.7 cm)
326S3220	21" (53.3 cm)
326S4220	24" (61.0 cm)
Left-Hinged, Back with Service Access	
127S1220	15" (38.1 cm)
127S2220	18" (45.7 cm)
127S3220	21" (53.3 cm)
127S4220	24" (61.0 cm)
Left-Hinged, Solid Back	
327S1220	15" (38.1 cm)
327S2220	18" (45.7 cm)
327S3220	21" (53.3 cm)
327S4220	24" (61.0 cm)



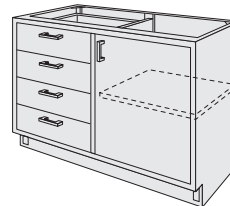
- One 6" (15.2 cm) high drawer above a cupboard

Product No.	Width
Right-Hinged, Back with Service Access	
136S1220	15" (38.1 cm)
136S2220	18" (45.7 cm)
136S3220	21" (53.3 cm)
136S4220	24" (61.0 cm)
Right-Hinged, Solid Back	
336S1220	15" (38.1 cm)
336S2220	18" (45.7 cm)
336S3220	21" (53.3 cm)
336S4220	24" (61.0 cm)
Left-Hinged, Back with Service Access	
137S1220	15" (38.1 cm)
137S2220	18" (45.7 cm)
137S3220	21" (53.3 cm)
137S4220	24" (61.0 cm)
Left-Hinged, Solid Back	
337S1220	15" (38.1 cm)
337S2220	18" (45.7 cm)
337S3220	21" (53.3 cm)
337S4220	24" (61.0 cm)



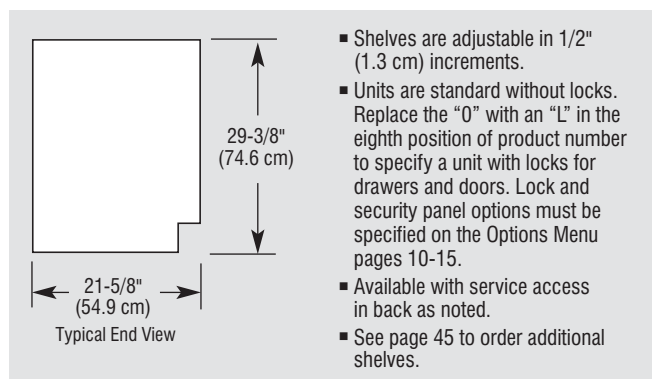
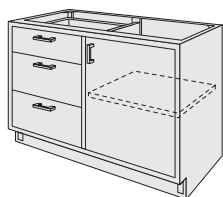
- Two 6" (15.2 cm) high drawers above a cupboard

Product No.	Width
Back with Service Access	
148S5220	30" (76.2 cm)
148S6220	36" (91.4 cm)
148S7220	42" (106.7 cm)
148S8220	48" (121.9 cm)
Solid Back	
348S5220	30" (76.2 cm)
348S6220	36" (91.4 cm)
348S7220	42" (106.7 cm)
348S8220	48" (121.9 cm)



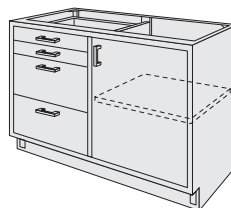
- Four 6" (15.2 cm) high drawers alongside a cupboard
- Adjustable shelf

Product No.	Width
Right-Cupboard, Back with Service Access	
152S5220	30" (76.2 cm)
152S6220	36" (91.4 cm)
152S7220	42" (106.7 cm)
152S8220	48" (121.9 cm)
Right-Cupboard, Solid Back	
352S5220	30" (76.2 cm)
352S6220	36" (91.4 cm)
352S7220	42" (106.7 cm)
352S8220	48" (121.9 cm)
Left-Cupboard, Back with Service Access	
153S5220	30" (76.2 cm)
153S6220	36" (91.4 cm)
153S7220	42" (106.7 cm)
153S8220	48" (121.9 cm)
Left-Cupboard, Solid Back	
353S5220	30" (76.2 cm)
353S6220	36" (91.4 cm)
353S7220	42" (106.7 cm)
353S8220	48" (121.9 cm)

Base Cabinets**Sitting Height – 29-3/8" High By 21-5/8" Deep****Combination Cabinets (continued)**

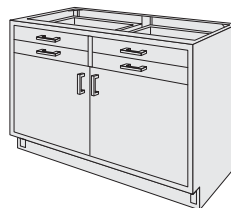
- One 6" (15.2 cm) and two 9" (22.7 cm) high drawers, alongside a cupboard
- Adjustable shelf

Product No.	Width
Right-Cupboard, Back with Service Access	
168S5220	30" (76.2 cm)
168S6220	36" (91.4 cm)
168S7220	42" (106.7 cm)
168S8220	48" (121.9 cm)
Right-Cupboard, Solid Back	
368S5220	30" (76.2 cm)
368S6220	36" (91.4 cm)
368S7220	42" (106.7 cm)
368S8220	48" (121.9 cm)
Left-Cupboard, Back with Service Access	
169S5220	30" (76.2 cm)
169S6220	36" (91.4 cm)
169S7220	42" (106.7 cm)
169S8220	48" (121.9 cm)
Left-Cupboard, Solid Back	
369S5220	30" (76.2 cm)
369S6220	36" (91.4 cm)
369S7220	42" (106.7 cm)
369S8220	48" (121.9 cm)

Combination Cabinets (continued)

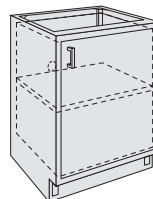
- Two 3" (7.62 cm) and two 9" (22.7 cm) high drawers, alongside a cupboard
- Adjustable shelf

Product No.	Width
Right-Cupboard, Back with Service Access	
171S5220	30" (76.2 cm)
171S6220	36" (91.4 cm)
171S7220	42" (106.7 cm)
171S8220	48" (121.9 cm)
Right-Cupboard, Solid Back	
371S5220	30" (76.2 cm)
371S6220	36" (91.4 cm)
371S7220	42" (106.7 cm)
371S8220	48" (121.9 cm)
Left-Cupboard, Back with Service Access	
172S5220	30" (76.2 cm)
172S6220	36" (91.4 cm)
172S7220	42" (106.7 cm)
172S8220	48" (121.9 cm)
Left-Cupboard, Solid Back	
372S5220	30" (76.2 cm)
372S6220	36" (91.4 cm)
372S7220	42" (106.7 cm)
372S8220	48" (121.9 cm)



- Four 3" (7.62 cm) high drawers above a cupboard

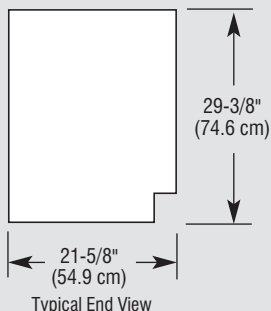
Product No.	Width
Back with Service Access	
179S5220	30" (76.2 cm)
179S6220	36" (91.4 cm)
179S7220	42" (106.7 cm)
179S8220	48" (121.9 cm)
Solid Back	
379S5220	30" (76.2 cm)
379S6220	36" (91.4 cm)
379S7220	42" (106.7 cm)
379S8220	48" (121.9 cm)

Resisto-Roc Lined Acid Storage Cabinets

- Sitting height - 29-3/8" (74.6 cm) high
- Single left- or right-hinged full-height door
- Chemical resistant Resisto-Roc lining is 1/4" (6.4 cm) thick
- Adjustable shelf
- Vent in back is 10" (25.4 cm) from the right end

Product No.	Width
Right-Hinged (shown)	
950S8260	24" (61.0 cm)
Left-Hinged	
950S8270	24" (61.0 cm)

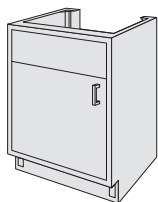
Sitting Height – 29-3/8" High by 21-5/8" Deep



Typical End View

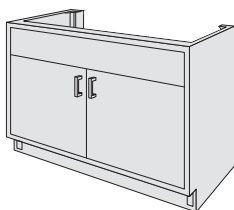
- Shelves are adjustable in 1/2" (1.3 cm) increments.
- Units are standard without locks. Replace the "0" with an "L" in the eighth position of product number to specify a unit with locks for drawers and doors. Lock and security panel options must be specified on the Options Menu pages 10-15.
- Available with service access in back as noted.
- See page 45 to order additional shelves.

Sink Cabinets



- Single-door sink cabinet
- Solid hinged door
- Back cut out for large sinks

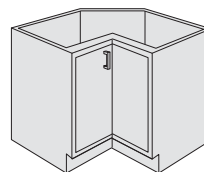
Product No.	Width
Right-Hinged	
112S1220	15" (38.1 cm)
112S2220	18" (45.7 cm)
112S3220	21" (53.3 cm)
112S4220	24" (61.0 cm)
Left-Hinged	
113S1220	15" (38.1 cm)
113S2220	18" (45.7 cm)
113S3220	21" (53.3 cm)
113S4220	24" (61.0 cm)



- Double-door sink cabinet
- Solid hinged door
- Back cut out for large sinks

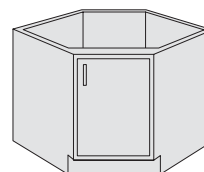
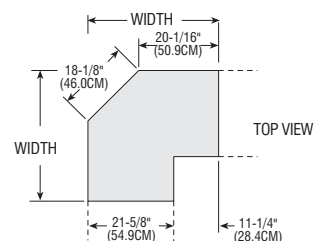
Product No.	Width
115S5220	30" (76.2 cm)
115S6220	36" (91.4 cm)
115S7220	42" (106.7 cm)
115S8220	48" (121.9 cm)

Corner Cabinets



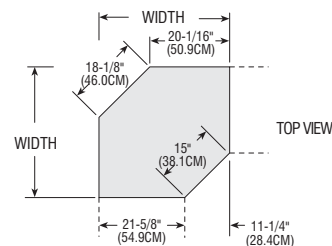
- Standard corner unit

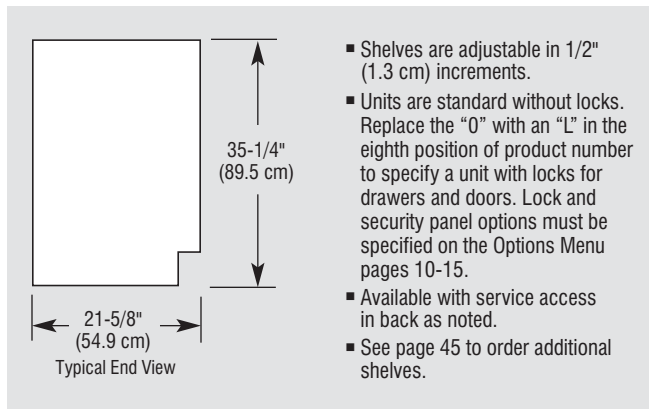
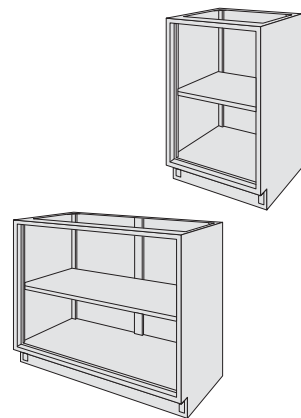
Product No.	Width
424S6220 R-Hinged	32-7/8" (83.5 cm)
425S6220 L-Hinged	32-7/8" (83.5 cm)



- Right-Hinged door only

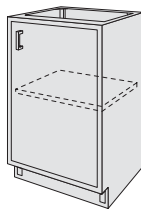
Product No.	Width
422S6220 R-Hinged	32-7/8" (83.5 cm)



Base Cabinets**Standing Height – 35-1/4" High By 21-5/8" Deep****Open Cabinets**

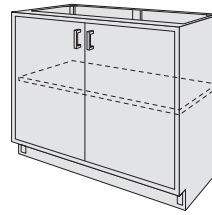
- Adjustable shelf

Product No.	Width
Back with Service Access	
100S1320	15" (38.1 cm)
100S2320	18" (45.7 cm)
100S3320	21" (53.3 cm)
100S4320	24" (61.0 cm)
100S5320	30" (76.2 cm)
100S6320	36" (91.4 cm)
100S7320	42" (106.7 cm)
100S8320	48" (121.9 cm)
Solid Back	
300S1320	15" (38.1 cm)
300S2320	18" (45.7 cm)
300S3320	21" (53.3 cm)
300S4320	24" (61.0 cm)
300S5320	30" (76.2 cm)
300S6320	36" (91.4 cm)
300S7320	42" (106.7 cm)
300S8320	48" (121.9 cm)

Door Cabinets

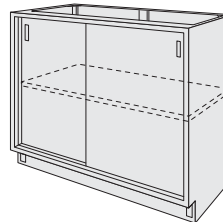
- Solid hinged door
- Adjustable shelf

Product No.	Width
Right-Hinged, Back with Service Access	
102S1320	15" (38.1 cm)
102S2320	18" (45.7 cm)
102S3320	21" (53.3 cm)
102S4320	24" (61.0 cm)
Right-Hinged, Solid Back	
302S1320	15" (38.1 cm)
302S2320	18" (45.7 cm)
302S3320	21" (53.3 cm)
302S4320	24" (61.0 cm)
Left-Hinged, Back with Service Access	
103S1320	15" (38.1 cm)
103S2320	18" (45.7 cm)
103S3320	21" (53.3 cm)
103S4320	24" (61.0 cm)
Left-Hinged, Solid Back	
303S1320	15" (38.1 cm)
303S2320	18" (45.7 cm)
303S3320	21" (53.3 cm)
303S4320	24" (61.0 cm)

Door Cabinets (continued)

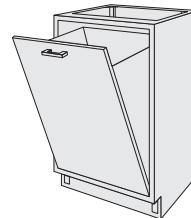
- Solid hinged double doors
- Adjustable shelf

Product No.	Width
Back with Service Access	
106S5320	30" (76.2 cm)
106S6320	36" (91.4 cm)
106S7320	42" (106.7 cm)
106S8320	48" (121.9 cm)
Solid Back	
306S5320	30" (76.2 cm)
306S6320	36" (91.4 cm)
306S7320	42" (106.7 cm)
306S8320	48" (121.9 cm)



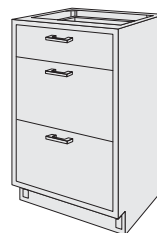
- Solid sliding double doors
- Adjustable shelf
- For locked doors, replace "M" with "H" in product number

Product No.	Width
Back with Service Access	
109S532M	30" (76.2 cm)
109S632M	36" (91.4 cm)
109S732M	42" (106.7 cm)
109S832M	48" (121.9 cm)
Solid Back	
309S532M	30" (76.2 cm)
309S632M	36" (91.4 cm)
309S732M	42" (106.7 cm)
309S832M	48" (121.9 cm)



- Tilt-out door with removable bin
- Solid back

Product No.	Width
415S2320	18" (45.7 cm)
415S4320	24" (61.0 cm)

Drawer Cabinets

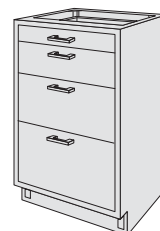
- One 6" (15.2 cm) high drawer above two 12" (30.5 cm) high file drawers
- File drawers equipped with full extension slides

Product No.	Width
Back with Service Access	
141S2320	18" (45.7 cm)
141S3320	21" (53.3 cm)
141S4320	24" (61.0 cm)
Solid Back	
341S2320	18" (45.7 cm)
341S3320	21" (53.3 cm)
341S4320	24" (61.0 cm)

Base Cabinets**Standing Height – 35-1/4" High By 21-5/8" Deep****Drawer Cabinets (continued)**

- Four 3" (7.62 cm) high drawers above two 9" (22.7 cm) high drawers

Product No.	Width
Back with Service Access	
157S1320	15" (38.1 cm)
157S2320	18" (45.7 cm)
157S3320	21" (53.3 cm)
157S4320	24" (61.0 cm)
Solid Back	
357S1320	15" (38.1 cm)
357S2320	18" (45.7 cm)
357S3320	21" (53.3 cm)
357S4320	24" (61.0 cm)



- One 3" (7.62 cm) high drawer above one 6" (15.2 cm) high, one 9" (22.7 cm) high, and one 12" (30.5 cm) high drawer

Product No.	Width
Back with Service Access	
167S1320	15" (38.1 cm)
167S2320	18" (45.7 cm)
167S3320	21" (53.3 cm)
167S4320	24" (61.0 cm)
Solid Back	
367S1320	15" (38.1 cm)
367S2320	18" (45.7 cm)
367S3320	21" (53.3 cm)
367S4320	24" (61.0 cm)



- Two 3" (7.62 cm) high drawers above one 6" (15.2 cm) high drawer and two 9" (22.7 cm) high drawers

Product No.	Width
Back with Service Access	
163S1320	15" (38.1 cm)
163S2320	18" (45.7 cm)
163S3320	21" (53.3 cm)
163S4320	24" (61.0 cm)
Solid Back	
363S1320	15" (38.1 cm)
363S2320	18" (45.7 cm)
363S3320	21" (53.3 cm)
363S4320	24" (61.0 cm)



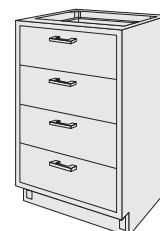
- Three 6" (15.2 cm) high drawers above one 12" (30.5 cm) high file drawer
- File drawer is equipped with full extension slides

Product No.	Width
Back with Service Access	
170S2320	18" (45.7 cm)
170S3320	21" (53.3 cm)
170S4320	24" (61.0 cm)
Solid Back	
370S2320	18" (45.7 cm)
370S3320	21" (53.3 cm)
370S4320	24" (61.0 cm)



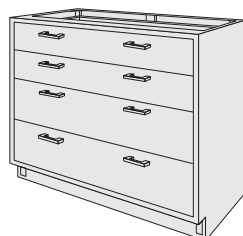
- Two 6" (15.2 cm) high drawers above two 9" (22.7 cm) high drawers

Product No.	Width
Back with Service Access	
164S1320	15" (38.1 cm)
164S2320	18" (45.7 cm)
164S3320	21" (53.3 cm)
164S4320	24" (61.0 cm)
Solid Back	
364S1320	15" (38.1 cm)
364S2320	18" (45.7 cm)
364S3320	21" (53.3 cm)
364S4320	24" (61.0 cm)



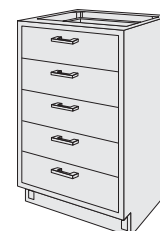
- Four 7-1/2" (19.05 cm) high drawers

Product No.	Width
Back with Service Access	
173S1320	15" (38.1 cm)
173S2320	18" (45.7 cm)
173S3320	21" (53.3 cm)
173S4320	24" (61.0 cm)
Solid Back	
373S1320	15" (38.1 cm)
373S2320	18" (45.7 cm)
373S3320	21" (53.3 cm)
373S4320	24" (61.0 cm)



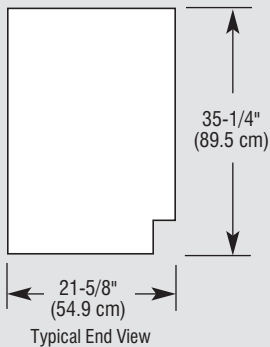
- Two 6" (15.2 cm) high drawers above two 9" (22.7 cm) high drawers

Product No.	Width
Back with Service Access	
164S5320	30" (76.2 cm)
164S6320	36" (91.4 cm)
164S7320	42" (106.7 cm)
164S8320	48" (121.9 cm)
Solid Back	
364S5320	30" (76.2 cm)
364S6320	36" (91.4 cm)
364S7320	42" (106.7 cm)
364S8320	48" (121.9 cm)

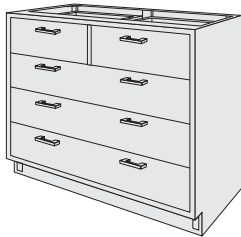


- Five 6" (15.2 cm) high drawers

Product No.	Width
Back with Service Access	
176S1320	15" (38.1 cm)
176S2320	18" (45.7 cm)
176S3320	21" (53.3 cm)
176S4320	24" (61.0 cm)
Solid Back	
376S1320	15" (38.1 cm)
376S2320	18" (45.7 cm)
376S3320	21" (53.3 cm)
376S4320	24" (61.0 cm)

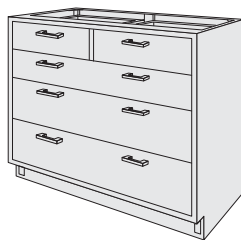
Base Cabinets**Standing Height – 35-1/4" High By 21-5/8" Deep**

- Shelves are adjustable in 1/2" (1.3 cm) increments.
- Units are standard without locks. Replace the "0" with an "L" in the eighth position of product number to specify a unit with locks for drawers and doors. Lock and security panel options must be specified on the Options Menu pages 10-15.
- Available with service access in back as noted.
- See page 45 to order additional shelves.

Drawer Cabinets (continued)

- Two 7-1/2" (19.1 cm) high drawers side-by-side above three full-width 7-1/2" (19.1 cm) high drawers

Product No.	Width
Back with Service Access	
194S5320	30" (76.2 cm)
194S6320	36" (91.4 cm)
194S7320	42" (106.7 cm)
194S8320	48" (121.9 cm)
Solid Back	
394S5320	30" (76.2 cm)
394S6320	36" (91.4 cm)
394S7320	42" (106.7 cm)
394S8320	48" (121.9 cm)



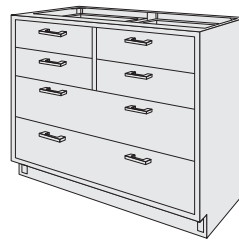
- Two 6" (15.2 cm) high drawers side-by-side above one full-width 6" (15.2 cm) high and two full-width 9" (22.7 cm) high drawers

Product No.	Width
Back with Service Access	
196S5320	30" (76.2 cm)
196S6320	36" (91.4 cm)
196S7320	42" (106.7 cm)
196S8320	48" (121.9 cm)
Solid Back	
396S5320	30" (76.2 cm)
396S6320	36" (91.4 cm)
396S7320	42" (106.7 cm)
396S8320	48" (121.9 cm)



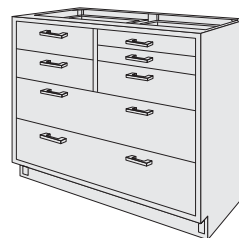
- Two 6" (15.2 cm) high drawers side-by-side above four full-width 6" (15.2 cm) high drawers

Product No.	Width
Back with Service Access	
197S5320	30" (76.2 cm)
197S6320	36" (91.4 cm)
197S7320	42" (106.7 cm)
197S8320	48" (121.9 cm)
Solid Back	
397S5320	30" (76.2 cm)
397S6320	36" (91.4 cm)
397S7320	42" (106.7 cm)
397S8320	48" (121.9 cm)

Drawer Cabinets (continued)

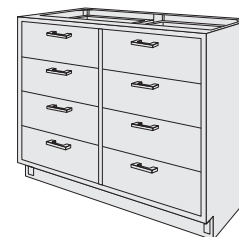
- Four 6" (15.2 cm) high drawers above two full-width 9" (22.7 cm) high drawers

Product No.	Width
Back with Service Access	
200S5320	30" (76.2 cm)
200S6320	36" (91.4 cm)
200S7320	42" (106.7 cm)
200S8320	48" (121.9 cm)
Solid Back	
400S5320	30" (76.2 cm)
400S6320	36" (91.4 cm)
400S7320	42" (106.7 cm)
400S8320	48" (121.9 cm)



- Three 6" (15.2 cm) high and two 3" (7.62 cm) high drawers above two full-width 9" (22.7 cm) high drawers

Product No.	Width
Back with Service Access	
203S5320	30" (76.2 cm)
203S6320	36" (91.4 cm)
203S7320	42" (106.7 cm)
203S8320	48" (121.9 cm)
Solid Back	
403S5320	30" (76.2 cm)
403S6320	36" (91.4 cm)
403S7320	42" (106.7 cm)
403S8320	48" (121.9 cm)



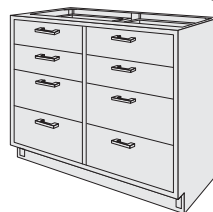
- Eight 7-1/2" (19.1 cm) high drawers

Product No.	Width
Back with Service Access	
206S5320	30" (76.2 cm)
206S6320	36" (91.4 cm)
206S7320	42" (106.7 cm)
206S8320	48" (121.9 cm)
Solid Back	
406S5320	30" (76.2 cm)
406S6320	36" (91.4 cm)
406S7320	42" (106.7 cm)
406S8320	48" (121.9 cm)



- Four 6" (15.2 cm) high drawers above four 9" (22.7 cm) high drawers

Product No.	Width
Back with Service Access	
209S4320	24" (61.0 cm)
209S5320	30" (76.2 cm)
209S6320	36" (91.4 cm)
209S7320	42" (106.7 cm)
209S8320	48" (121.9 cm)
Solid Back	
409S4320	24" (61.0 cm)
409S5320	30" (76.2 cm)
409S6320	36" (91.4 cm)
409S7320	42" (106.7 cm)
409S8320	48" (121.9 cm)



Base Cabinets

Standing Height – 35-1/4" High By 21-5/8" Deep

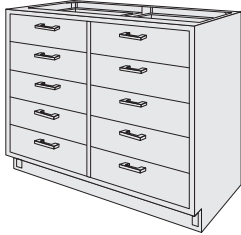
Drawer Cabinets (continued)



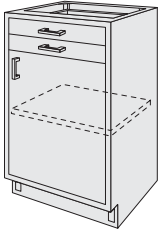
- Ten 6" (15.2 cm) high drawers

Product No.	Width
Back with Service Access	
212S4320	24" (61.0 cm)
212S5320	30" (76.2 cm)
212S6320	36" (91.4 cm)
212S7320	42" (106.7 cm)
212S8320	48" (121.9 cm)

Solid Back	
412S4320	24" (61.0 cm)
412S5320	30" (76.2 cm)
412S6320	36" (91.4 cm)
412S7320	42" (106.7 cm)
412S8320	48" (121.9 cm)



Combination Cabinets



- Two 3" (7.62 cm) high drawers above a cupboard
- Adjustable shelf

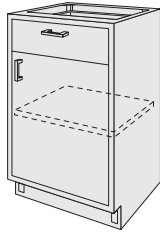
Product No.	Width
Right-Hinged, Back with Service Access	
131S1320	15" (38.1 cm)
131S2320	18" (45.7 cm)
131S3320	21" (53.3 cm)
131S4320	24" (61.0 cm)

Right-Hinged, Solid Back	
331S1320	15" (38.1 cm)
331S2320	18" (45.7 cm)
331S3320	21" (53.3 cm)
331S4320	24" (61.0 cm)

Left-Hinged, Back with Service Access	
132S1320	15" (38.1 cm)
132S2320	18" (45.7 cm)
132S3320	21" (53.3 cm)
132S4320	24" (61.0 cm)

Left-Hinged, Solid Back	
332S1320	15" (38.1 cm)
332S2320	18" (45.7 cm)
332S3320	21" (53.3 cm)
332S4320	24" (61.0 cm)

Combination Cabinets (continued)



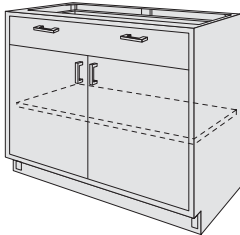
- One 6" (15.2 cm) high drawer above a cupboard

Product No.	Width
Right-Hinged, Back with Service Access	
136S1320	15" (38.1 cm)
136S2320	18" (45.7 cm)
136S3320	21" (53.3 cm)
136S4320	24" (61.0 cm)

Right-Hinged, Solid Back	
336S1320	15" (38.1 cm)
336S2320	18" (45.7 cm)
336S3320	21" (53.3 cm)
336S4320	24" (61.0 cm)

Left-Hinged, Back with Service Access	
137S1320	15" (38.1 cm)
137S2320	18" (45.7 cm)
137S3320	21" (53.3 cm)
137S4320	24" (61.0 cm)

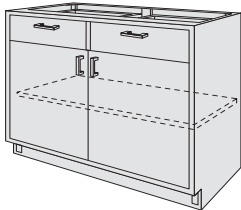
Left-Hinged, Solid Back	
337S1320	15" (38.1 cm)
337S2320	18" (45.7 cm)
337S3320	21" (53.3 cm)
337S4320	24" (61.0 cm)



- Full-width 6" (15.2 cm) high drawer above a cupboard
- Adjustable shelf

Product No.	Width
Back with Service Access	
146S5320	30" (76.2 cm)
146S6320	36" (91.4 cm)
146S7320	42" (106.7 cm)
146S8320	48" (121.9 cm)

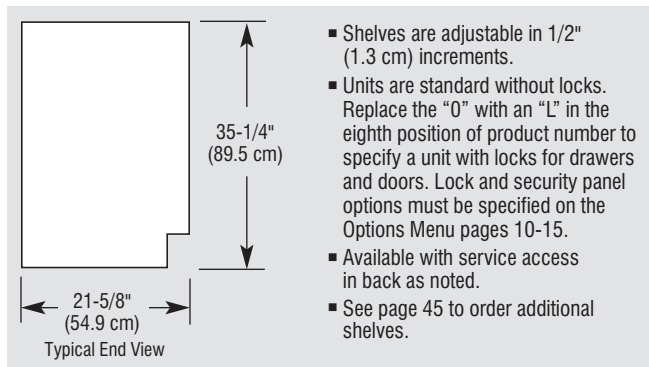
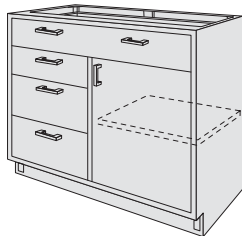
Solid Back	
346S5320	30" (76.2 cm)
346S6320	36" (91.4 cm)
346S7320	42" (106.7 cm)
346S8320	48" (121.9 cm)



- Two 6" (15.2 cm) high drawers above a cupboard

Product No.	Width
Back with Service Access	
148S5320	30" (76.2 cm)
148S6320	36" (91.4 cm)
148S7320	42" (106.7 cm)
148S8320	48" (121.9 cm)

Solid Back	
348S5320	30" (76.2 cm)
348S6320	36" (91.4 cm)
348S7320	42" (106.7 cm)
348S8320	48" (121.9 cm)

Base Cabinets**Standing Height – 35-1/4" High By 21-5/8" Deep****Combination Cabinets (continued)**

- Full-width 6" (15.2 cm) high drawer above one 6" (15.2 cm) and two 9" (22.7 cm) high drawers alongside a cupboard

Product No.	Width
Right-Cupboard, Back with Service Access	
174S5320	30" (76.2 cm)
174S6320	36" (91.4 cm)
174S7320	42" (106.7 cm)
174S8320	48" (121.9 cm)

Right-Cupboard, Solid Back	
374S5320	30" (76.2 cm)
374S6320	36" (91.4 cm)
374S7320	42" (106.7 cm)
374S8320	48" (121.9 cm)

Left-Cupboard, Back with Service Access	
175S5320	30" (76.2 cm)
175S6320	36" (91.4 cm)
175S7320	42" (106.7 cm)
175S8320	48" (121.9 cm)

Left-Cupboard, Solid Back	
375S5320	30" (76.2 cm)
375S6320	36" (91.4 cm)
375S7320	42" (106.7 cm)
375S8320	48" (121.9 cm)

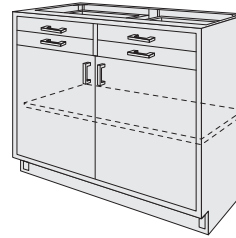
- Two 6" (15.2 cm) high drawers side-by-side above one 6" (15.2 cm) and two 9" (22.7 cm) high drawers alongside a cupboard

Product No.	Width
Right-Cupboard, Back with Service Access	
177S5320	30" (76.2 cm)
177S6320	36" (91.4 cm)
177S7320	42" (106.7 cm)
177S8320	48" (121.9 cm)

Right-Cupboard, Solid Back	
377S5320	30" (76.2 cm)
377S6320	36" (91.4 cm)
377S7320	42" (106.7 cm)
377S8320	48" (121.9 cm)

Left-Cupboard, Back with Service Access	
178S5320	30" (76.2 cm)
178S6320	36" (91.4 cm)
178S7320	42" (106.7 cm)
178S8320	48" (121.9 cm)

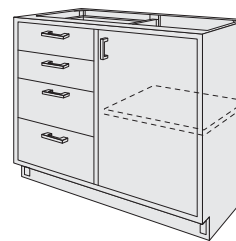
Left-Cupboard, Solid Back	
378S5320	30" (76.2 cm)
378S6320	36" (91.4 cm)
378S7320	42" (106.7 cm)
378S8320	48" (121.9 cm)

Combination Cabinets (continued)

- Four 3" (7.62 cm) high drawers above a cupboard

Product No.	Width
Back with Service Access	
179S5320	30" (76.2 cm)
179S6320	36" (91.4 cm)
179S7320	42" (106.7 cm)
179S8320	48" (121.9 cm)

Solid Back	
379S5320	30" (76.2 cm)
379S6320	36" (91.4 cm)
379S7320	42" (106.7 cm)
379S8320	48" (121.9 cm)



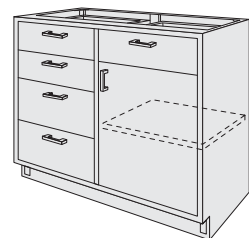
- Two 6" (15.2 cm) high drawers above two 9" (22.7 cm) high drawers alongside a cupboard

Product No.	Width
Right-Cupboard, Back with Service Access	
180S5320	30" (76.2 cm)
180S6320	36" (91.4 cm)
180S7320	42" (106.7 cm)
180S8320	48" (121.9 cm)

Right-Cupboard, Solid Back	
380S5320	30" (76.2 cm)
380S6320	36" (91.4 cm)
380S7320	42" (106.7 cm)
380S8320	48" (121.9 cm)

Left-Cupboard, Back with Service Access	
181S5320	30" (76.2 cm)
181S6320	36" (91.4 cm)
181S7320	42" (106.7 cm)
181S8320	48" (121.9 cm)

Left-Cupboard, Solid Back	
381S5320	30" (76.2 cm)
381S6320	36" (91.4 cm)
381S7320	42" (106.7 cm)
381S8320	48" (121.9 cm)



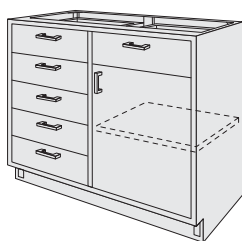
- Five 6" (15.2 cm) high drawers alongside a cupboard

Product No.	Width
Right-Cupboard, Back with Service Access	
182S5320	30" (76.2 cm)
182S6320	36" (91.4 cm)
182S7320	42" (106.7 cm)
182S8320	48" (121.9 cm)

Right-Cupboard, Solid Back	
382S5320	30" (76.2 cm)
382S6320	36" (91.4 cm)
382S7320	42" (106.7 cm)
382S8320	48" (121.9 cm)

Left-Cupboard, Back with Service Access	
183S5320	30" (76.2 cm)
183S6320	36" (91.4 cm)
183S7320	42" (106.7 cm)
183S8320	48" (121.9 cm)

Left-Cupboard, Solid Back	
383S5320	30" (76.2 cm)
383S6320	36" (91.4 cm)
383S7320	42" (106.7 cm)
383S8320	48" (121.9 cm)

Base Cabinets**Standing Height – 35-1/4" High By 21-5/8" Deep****Combination Cabinets (continued)**

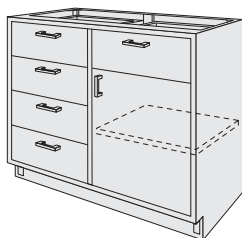
- Two 6" (15.2 cm) high drawers side-by-side above four 6" (15.2 cm) high drawers alongside a cupboard

Product No.	Width
Right-Cupboard, Back with Service Access	
188S5320	30" (76.2 cm)
188S6320	36" (91.4 cm)
188S7320	42" (106.7 cm)
188S8320	48" (121.9 cm)

Right-Cupboard, Solid Back	
388S5320	30" (76.2 cm)
388S6320	36" (91.4 cm)
388S7320	42" (106.7 cm)
388S8320	48" (121.9 cm)

Left-Cupboard, Back with Service Access	
189S5320	30" (76.2 cm)
189S6320	36" (91.4 cm)
189S7320	42" (106.7 cm)
189S8320	48" (121.9 cm)

Left-Cupboard, Solid Back	
389S5320	30" (76.2 cm)
389S6320	36" (91.4 cm)
389S7320	42" (106.7 cm)
389S8320	48" (121.9 cm)



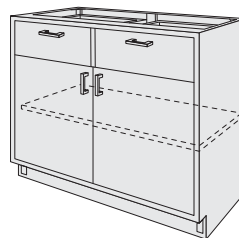
- Two 7-1/2" (19.1 cm) high drawers side-by-side above three 7-1/2" (19.1 cm) high drawers alongside a cupboard

Product No.	Width
Right-Cupboard, Back with Service Access	
207S5320	30" (76.2 cm)
207S6320	36" (91.4 cm)
207S7320	42" (106.7 cm)
207S8320	48" (121.9 cm)

Right-Cupboard, Solid Back	
407S5320	30" (76.2 cm)
407S6320	36" (91.4 cm)
407S7320	42" (106.7 cm)
407S8320	48" (121.9 cm)

Left-Cupboard, Back with Service Access	
208S5320	30" (76.2 cm)
208S6320	36" (91.4 cm)
208S7320	42" (106.7 cm)
208S8320	48" (121.9 cm)

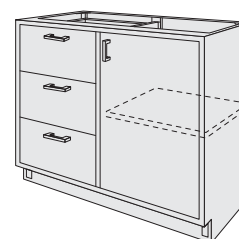
Left-Cupboard, Solid Back	
408S5320	30" (76.2 cm)
408S6320	36" (91.4 cm)
408S7320	42" (106.7 cm)
408S8320	48" (121.9 cm)

Combination Cabinets (continued)

- Two 7-1/2" (19.1 cm) high drawers side-by-side above a cupboard

Product No.	Width
Back with Service Access	
257S5320	30" (76.2 cm)
257S6320	36" (91.4 cm)
257S7320	42" (106.7 cm)
257S8320	48" (121.9 cm)

Solid Back	
457S5320	30" (76.2 cm)
457S6320	36" (91.4 cm)
457S7320	42" (106.7 cm)
457S8320	48" (121.9 cm)



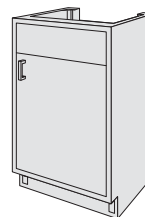
- Three 10" (25.4 cm) high drawers alongside a cupboard

Product No.	Width
Right-Cupboard, Back with Service Access	
282S5320	30" (76.2 cm)
282S6320	36" (91.4 cm)
282S7320	42" (106.7 cm)
282S8320	48" (121.9 cm)

Right-Cupboard, Solid Back	
482S5320	30" (76.2 cm)
482S6320	36" (91.4 cm)
482S7320	42" (106.7 cm)
482S8320	48" (121.9 cm)

Left-Cupboard, Back with Service Access	
283S5320	30" (76.2 cm)
283S6320	36" (91.4 cm)
283S7320	42" (106.7 cm)
283S8320	48" (121.9 cm)

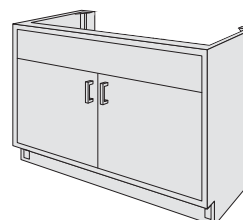
Left-Cupboard, Solid Back	
483S5320	30" (76.2 cm)
483S6320	36" (91.4 cm)
483S7320	42" (106.7 cm)
483S8320	48" (121.9 cm)

Sink Cabinets

- Solid hinged door
- Back cut out for large sinks

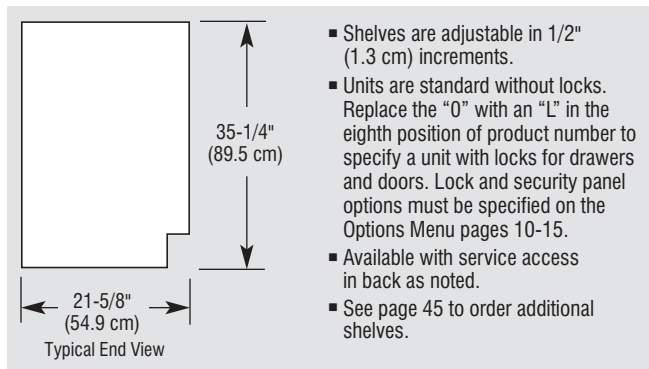
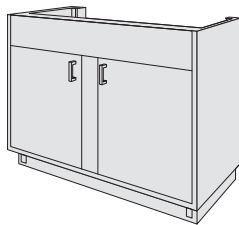
Product No.	Width
Right-Hinged	
112S1320	15" (38.1 cm)
112S2320	18" (45.7 cm)
112S3320	21" (53.3 cm)
112S4320	24" (61.0 cm)

Left-Hinged	
113S1320	15" (38.1 cm)
113S2320	18" (45.7 cm)
113S3320	21" (53.3 cm)
113S4320	24" (61.0 cm)



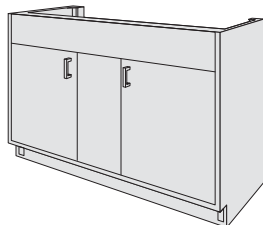
- Solid hinged double doors
- Back cut out for large sinks

Product No.	Width
115S5320	30" (76.2 cm)
115S6320	36" (91.4 cm)
115S7320	42" (106.7 cm)
115S8320	48" (121.9 cm)

Base Cabinets**Standing Height – 35-1/4" High By 21-5/8" Deep****Sink Cabinets**

- Solid hinged double doors
- Toe space on exposed sides
- Back cut out for large sinks

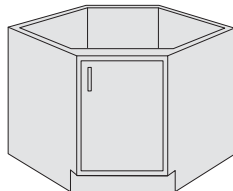
Product No.	Width
116S7320	52" (132.1 cm)
118S9320	58" (147.3 cm)



- Solid hinged double doors
- Back cut out for large sinks

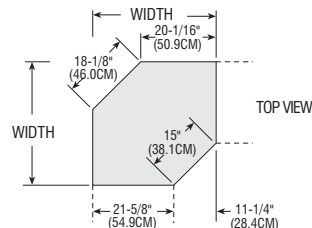
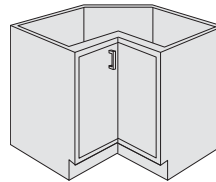
Product No.	Width
119S9320	60" (152.4 cm)

Note: See the Hamilton Scientific Fixtures and Accessories Catalog for sink supports for the above cabinets.

Corner Cabinets

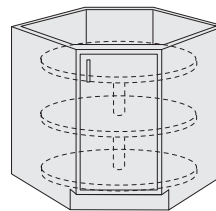
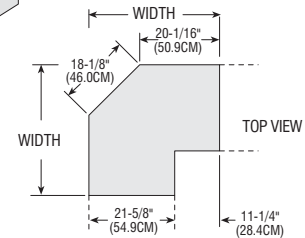
- Can be used as a sink cabinet
- Right-hinged door only
- See the Hamilton Scientific Fixtures and Accessories Catalog for sink supports

Product No.	Width
422S6320	32-7/8" (83.5 cm)

**Corner Cabinets (continued)**

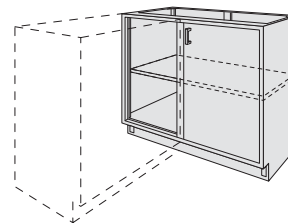
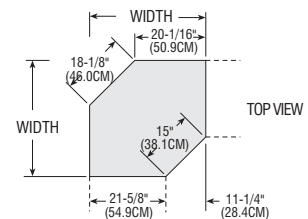
- Standard corner cabinet

Product No.	Width
Right-Hinged 424S6320	32-7/8" (83.5 cm)
Left-Hinged 425S6320	32-7/8" (83.5 cm)



- Lazy Susan

Product No.	Width
423S6320	32-7/8" (83.5 cm)



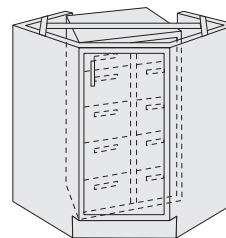
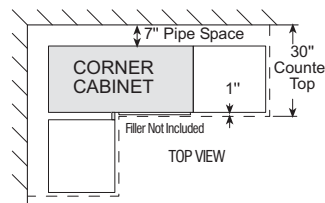
- Solid hinged door on accessible portion
- Framed-in portion enclosed with steel panel

Product No.	Width
Right Cupboard, Back with Access 220S6320	36" (91.4 cm)
220S7320	42" (106.7 cm)
220S8320	48" (121.9 cm)

Right Cupboard, Solid Back 420S6320	36" (91.4 cm)
420S7320	42" (106.7 cm)
420S8320	48" (121.9 cm)

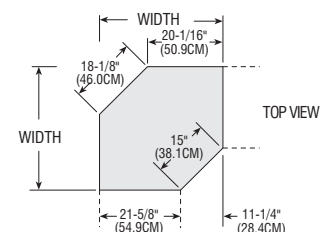
Left Cupboard, Back with Access 221S6320	36" (91.4 cm)
221S7320	42" (106.7 cm)
221S8320	48" (121.9 cm)

Left Cupboard, Solid Back 421S6320	36" (91.4 cm)
421S7320	42" (106.7 cm)
421S8320	48" (121.9 cm)



- Enclosed ten-drawer unit pivots to allow access to drawers
- Two 3" (7.62 cm) and eight 6" (15.2 cm) drawers

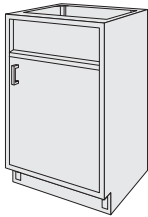
Product No.	Width
950S6980	32-7/8" (83.5 cm)



Base Cabinets

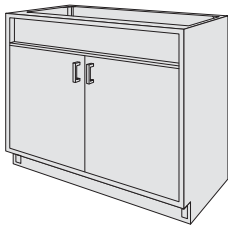
Standing Height – 35-1/4" High By 21-5/8" Deep

Fume Hood Cabinets



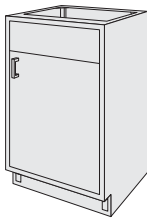
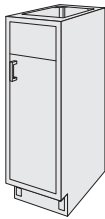
- Recessed panel above a cupboard
- Solid hinged door

Product No.	Width
Right-Hinged 107S4320	24" (61.0 cm)
Left-Hinged 108S4320	24" (61.0 cm)



- Recessed panel above a cupboard
- Solid hinged double doors
- No shelf

Product No.	Width
120S5320	30" (76.2 cm)
120S6320	36" (91.4 cm)
120S7320	42" (106.7 cm)
120S8320	48" (121.9 cm)

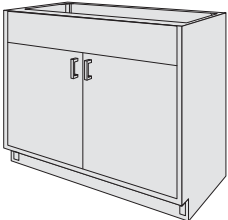


12" Wide

24" Wide

- Flush panel above a cupboard
- Solid hinged door

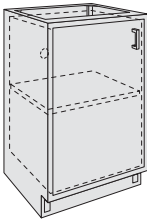
Product No.	Width
Right-Hinged 122S0320	12" (30.5 cm)
122S4320	24" (61.0 cm)
Left-Hinged 123S0320	12" (30.5 cm)
123S4320	24" (61.0 cm)



- Flush panel above a cupboard
- Solid hinged double doors
- No shelf

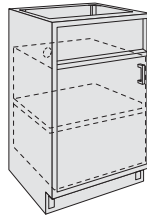
Product No.	Width
121S5320	30" (76.2 cm)
121S6320	36" (91.4 cm)
121S7320	42" (106.7 cm)
121S8320	48" (121.9 cm)

Resisto-Roc Lined Acid Storage Cabinets



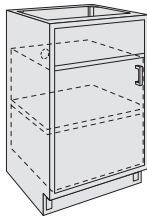
- Standing-height cabinet
- Single left- or right-hinged full-height door
- Chemical resistant Resisto-Roc lining 1/4" (6.4 cm) thick
- Adjustable shelf
- Vent in back is 10" (25.4 cm) from right end
- Cabinet is not suitable for fume hood base

Product No.	Width
Right-Hinged 950S8200	24" (61.0 cm)
Left-Hinged (shown) 950S8210	24" (61.0 cm)



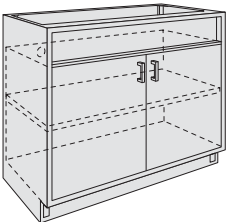
- Standing-height cabinet; ideal for use as fume hood base
- Recessed panel above single left- or right-hinged door
- Chemical resistant Resisto-Roc lining 1/4" (6.4 cm) thick
- Adjustable shelf
- Vent in back is 10" (25.4 cm) from right end

Product No.	Width
Right-Hinged 950S8220	24" (61.0 cm)
Left-Hinged (shown) 950S8230	24" (61.0 cm)



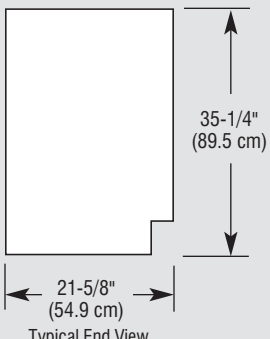
- Standing-height cabinet; ideal for use as fume hood base
- Flush panel above single left- or right-hinged door
- Chemical resistant Resisto-Roc lining 1/4" (6.4 cm) thick
- Adjustable shelf
- Vent in back is 10" (25.4 cm) from right end

Product No.	Width
Right-Hinged 950S8240	24" (61.0 cm)
Left-Hinged (shown) 950S8250	24" (61.0 cm)



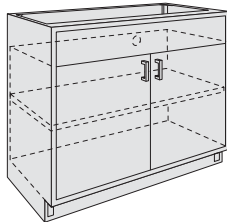
- Ideal for use as fume hood base
- Double-door acid storage cabinet
- Chemical resistant Resisto-Roc lining 1/4" (6.4 cm) thick
- Recessed front panel above a cupboard
- Adjustable shelf
- Vent in is 10" (25.4 cm) from right end

Product No.	Width
108S5320	30" (76.2 cm)
108S6320	36" (91.4 cm)
108S8320	48" (121.9 cm)

Base Cabinets**Specialty Base Cabinets**


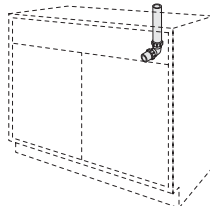
Typical End View

- Shelves are adjustable in 1/2" (1.3 cm) increments.
- Units are standard without locks. Replace the "0" with an "L" in the eighth position of product number to specify a unit with locks for drawers and doors. Lock and security panel options must be specified on the Options Menu pages 10-15.
- Available with service access in back as noted.
- See page 45 to order additional shelves.
- NFPA 30 does not require venting of flammable storage cabinets.
- The NFPA 30 standard calls for sealed bungs on flammable cabinets.
- UL and FM test flammable cabinets with the bungs sealed.

Resisto-Roc Lined Acid Storage Cabinets

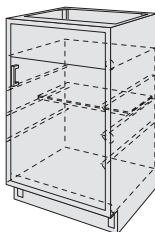
- Ideal for use as fume hood base
- Double-door acid storage cabinet
- Chemical resistant Resisto-Roc lining 1/4" (6.4 cm) thick
- Flush front panel above cupboard
- Adjustable shelf
- Vent in 10" (25.4 cm) from right end

Product No.	Width
144S5320	30" (76.2 cm)
144S6320	36" (91.4 cm)
144S8320	48" (121.9 cm)



- Polyolefin vent assembly
- For use with lined acid storage cabinets above
- Located 10" from cabinet top and 10" from right side

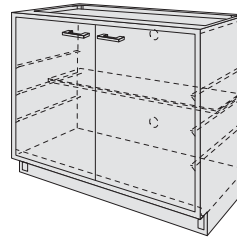
Product No.	
90L06000	
90L06300	For extended depth fume hood applications

Polyethylene Lined Acid Storage Cabinets

- Standing-height cabinet is ideal for use as fume hood base
- Flush panel above single left- or right-hinged door
- Chemical resistant 3/16" (.48 cm) thick molded Polyethylene lining with coved corners and 2" lip at front cabinet opening
- Doors are lined with 1/8" (.32 cm) thick polyethylene
- Two vent holes in cabinet back
- Removable back panel
- One half-depth shelf and spill tray

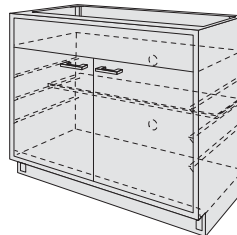
Product No.	Width
Right-Hinged (shown)	
950S4190	18" (45.7 cm)
950S4200	24" (61.0 cm)
Left-Hinged	
950S2090	18" (45.7 cm)
950S2100	24" (61.0 cm)

* Capacity may vary depending on the shape of the container that is used.

Polyethylene Lined Acid Storage Cabinets

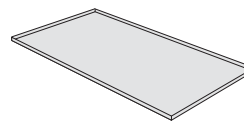
- Full-height doors are lined with 1/8" (.32 cm) thick polyethylene
- Chemical resistant 3/16" (.48 cm) thick molded Polyethylene lining with coved corners and 2" lip at front cabinet opening
- Two vent holes in cabinet back
- Removable back panel
- One half-depth shelf with spill tray

Prod. No.	Width
950S2420	30" (76.2 cm)
950S2430	36" (91.4 cm)
950S2450	48" (121.9 cm)



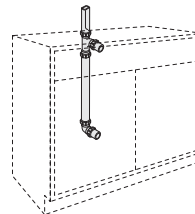
- Ideal for use as fume hood base
- Flush front top panel
- Chemical resistant 3/16" (.48 cm) thick molded Polyethylene lining with coved corners and 2" lip at front cabinet opening
- Doors are lined with 1/8" (.32 cm) thick polyethylene
- Two vent holes in cabinet back
- Removable back panel
- One half-depth shelf and spill tray

Prod. No.	Width
950S2280	30" (76.2 cm)
950S2380	36" (91.4 cm)
950S2400	48" (121.9 cm)



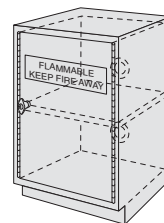
- 1" deep Polyolefin tray with raised edges for acid cabinets shown above
- Place on shelf in cabinet

Prod. No.	For Cabinet Width
00062061	18" (45.7 cm)
00062042	24" (61.0 cm)
00062043	30" (76.2 cm)
00055056	36" (91.4 cm)
00055057	48" (121.9 cm)



- Polyolefin vent pipes
- For venting acid storage cabinets shown above

Prod. No.	Cabinet Type
90L07800	Full-height doors
90L07900	Flush panel

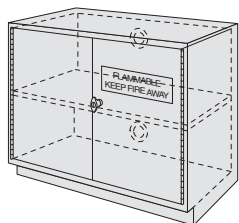
Flammable Liquid Storage Cabinets

- For storage of flammable liquids
- UL listed and FM approved
- Two 2" (5.1 cm) pipe threaded vent outlets on back
- Rear access panel is included
- 22" (55.6 cm) deep, 35-1/4" (89.5 cm) high
- Lock is included
- Capacity is 12 gal. (45.4 L)*

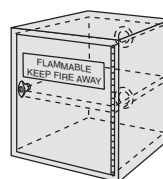
Prod. No.	Width	Door Operation
Single Door, Right-Hinged		
950S7501	24" (61.0 cm)	Self-Closing
950S7401	24" (61.0 cm)	Manual
Single Door, Left-Hinged		
950S7511	24" (61.0 cm)	Self-Closing
950S7411	24" (61.0 cm)	Manual

Specialty Base Cabinets

Flammable Liquid Storage Cabinets

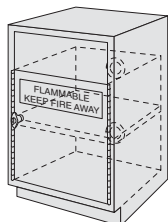


- For storage of flammable liquids
- UL listed and FM approved
- Two 2" (5.1 cm) pipe threaded vent outlets on back
- Rear access panel is included
- 22" (55.6 cm) deep, 35-1/4" (89.5 cm) high
- Lock is included



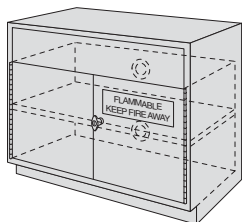
- Suspended cabinet for C-frame, MultiFlex and MAX/Lab® only
- For storage of flammable liquids
- UL listed and FM approved
- Two 2" (5.1 cm) pipe threaded vent outlets on back
- 22" (55.6 cm) deep, 25" (63.5 cm) high
- Rear access panel is included
- Lock is included
- Capacity is 12 gal. (45.4 L)*

Prod. No.	Capacity*	Width	Door Operation
Double Doors			
950S7521	15 gal. (56.8 L)	30"(76.2 cm)	Self-Closing
950S7531	18 gal. (68.1 L)	36"(91.4 cm)	Self-Closing
950S7541	24 gal. (90.8 L)	42"(106.1 cm)	Self-Closing
950S7551	27 gal. (102.2 L)	48"(121.9 cm)	Self-Closing
950S7421	15 gal. (56.8 L)	30"(76.2 cm)	Manual
950S7431	18 gal. (68.1 L)	36"(91.4 cm)	Manual
950S7441	24 gal. (90.8 L)	42"(106.1 cm)	Manual
950S7451	27 gal. (102.2 L)	48"(121.9 cm)	Manual



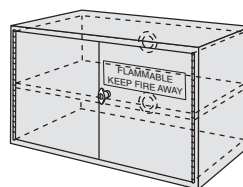
- For storage of flammable liquids
- Flush panel above cupboard
- UL listed and FM approved
- Two 2" (5.1 cm) pipe threaded vent outlets on back
- 22" (55.6 cm) deep, 35-1/4" (89.5 cm) high
- Rear and top access panels are included
- Lock is included
- Capacity is 12 gal. (45.4 L)*

Prod. No.	Width	Door Operation
Single Door, Right-Hinged		
950S7761	24"(61.0 cm)	Self-Closing
950S7641	24"(61.0 cm)	Manual
Single Door, Left-Hinged		
950S7771	24"(61.0 cm)	Self-Closing
950S7651	24"(61.0 cm)	Manual



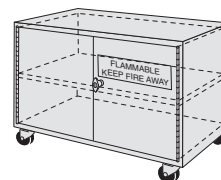
- For storage of flammable liquids
- Flush panel above cupboard
- UL listed and FM approved
- Two 2" (5.1 cm) pipe threaded vent outlets on back
- 22" (55.6 cm) deep, 35-1/4" (89.5 cm) high
- Rear and top access panels are included
- Lock is included

Prod. No.	Capacity*	Width	Door Operation
Double Doors			
950S7781	15 gal. (56.8 L)	30"(76.2 cm)	Self-Closing
950S7791	18 gal. (68.1 L)	36"(91.4 cm)	Self-Closing
950S7801	24 gal. (90.8 L)	42"(106.1 cm)	Self-Closing
950S7811	27 gal. (102.2 L)	48"(121.9 cm)	Self-Closing
950S7661	15 gal. (56.8 L)	30"(76.2 cm)	Manual
950S7671	18 gal. (68.1 L)	36"(91.4 cm)	Manual
950S7681	24 gal. (90.8 L)	42"(106.1 cm)	Manual
950S7691	27 gal. (102.2 L)	48"(121.9 cm)	Manual



- Suspended cabinet for C-frame, MultiFlex and MAX/Lab only
- For storage of flammable liquids
- UL listed and FM approved
- Two 2" (5.1 cm) pipe threaded vent outlets on back
- 22" (55.6 cm) deep, 25" (63.5 cm) high
- Rear access panel is included
- Lock is included

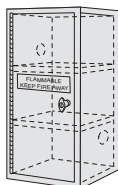
Prod. No.	Capacity*	Width	Door Operation
Double Doors			
950S7841	15 gal. (56.8 L)	30"(76.2 cm)	Self-Closing
950S7851	18 gal. (68.1 L)	36"(91.4 cm)	Self-Closing
950S7861	24 gal. (90.8 L)	42"(106.1 cm)	Self-Closing
950S7871	27 gal. (102.2 L)	48"(121.9 cm)	Self-Closing
950S7721	15 gal. (56.8 L)	30"(76.2 cm)	Manual
950S7731	18 gal. (68.1 L)	36"(91.4 cm)	Manual
950S7741	24 gal. (90.8 L)	42"(106.1 cm)	Manual
950S7751	27 gal. (102.2 L)	48"(121.9 cm)	Manual



- Mobile cabinet without vents
- For storage of flammable liquids
- UL listed and FM approved
- 22" (55.6 cm) deep, 29-1/4" (74.3 cm) high
- Lock is included
- Capacity is 18 gal. (68.1 L)*

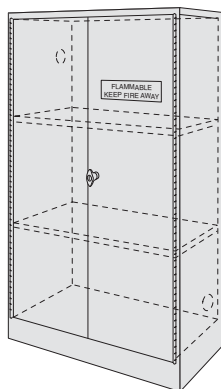
Prod. No.	Width	Door Operation
950S7911	34" (86.4 cm)	Self-Closing Double Doors
950S7901	34" (86.4 cm)	Manual Double Doors

* Capacity may vary depending on the shape of the container that is used.

Base Cabinets**Specialty Cabinets****Flammable Liquid Storage Cabinets**

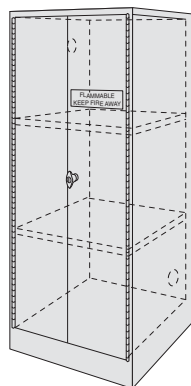
- Above-counter cabinet with two vents
- For storage of flammable liquids
- UL listed and FM approved
- 18" (45.7 cm) deep, 35" (88.9 cm) high
- Lock is included
- Capacity is 12 gal. (45.4 L)*

Prod. No.	Width	Door Operation
950S8421	18" (45.7 cm)	Manual right-hinged single door
950S8431	18" (45.7 cm)	Manual left-hinged single door



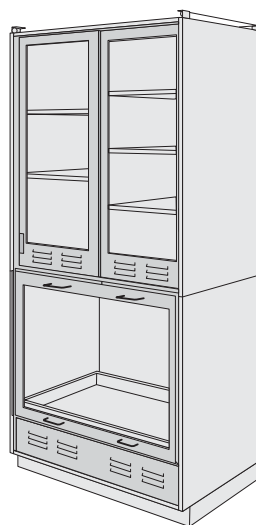
- Floor-mounted tall cabinet with two vents
- For storage of flammable liquids
- UL listed and FM approved
- 18" (45.7 cm) deep, 65" (165.1 cm) high
- Manual double doors; lock is included
- Capacity is 45 gal. (170.3 L)*

Prod. No.	Width
950S8401	42" (106.7 cm)



- Floor-mounted tall cabinet with two vents
- For storage of flammable liquids
- UL listed and FM approved
- 29" (73.7 cm) deep; 65" (165.1 cm) high
- Manual double doors; lock is included
- Capacity is 60 gal. (227.1 L)*

Prod. No.	Width
950S8411	30" (76.2 cm)

Vented Chemical Storage Cabinet

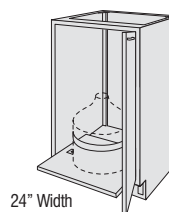
- Designed for storage of large volumes of non-flammable chemicals, reagents and samples during processing; chemical, safety containers and samples can be vertically stacked. The unit will contain noxious fumes that otherwise would enter the laboratory
- The upper compartment has five adjustable perforated shelves and horizontal sliding framed glass doors with louvers
- The lower compartment has one heavy-duty perforated pull-out shelf and a vertical rising framed glass sash with louvers, pull-out shelf can support up to 440 pounds; up to four optional pull-out shelves can be purchased and field installed
- The upper compartment is 51-1/2" (130.2 cm) high and the lower compartment is 43-1/2" (110.3 cm) high
- Overall dimensions is 99" (251.5 cm) high X 48" (121.9 cm) wide X 28-3/4" (73.0 cm) deep
- The duct manifold and shut-off dampers **shall be supplied, installed and tested by the mechanical contractor**

Prod. No.	
950S1120	Complete Assembly
950S1160	Optional Pull-Out Shelf Assembly

EXHAUST PARAMETERS

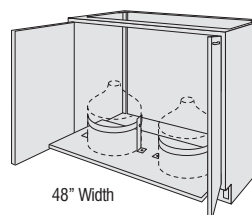
Exhaust Vents	Size	Location
One	2-1/2" ID 2-7/8" OD	Upper left cavity
One	2-1/2" ID 2-7/8" OD	Upper right cavity
Two	2-1/2" ID 2-7/8" OD	Lower cavity

Cubic Feet Per Minute	Static Pressure (Expressed in Inches of Water)
10 CFM per vent	.15

Carboy Holder

24" Width

- Single door in 24" (61.0 cm) width; double doors in 48" (121.9 cm) width
- Inside height of 27" (68.6 cm)
- Carboy held with chemical-resistant strap
- Pull-out shelf
- Carboy not included

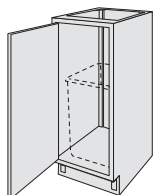


48" Width

Prod. No.	Width
214S4320	24" (61.0 cm)
214S8320	48" (121.9 cm)

* Capacity may vary depending on the shape of the container that is used.

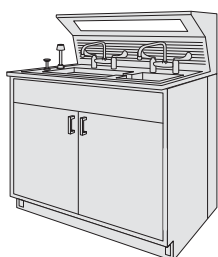
Waste Bin Holder



- Single door
- Waste basket included
- Locks are not available
- 15" (38.1 cm) wide; 35" (88.9 cm) high; 22" (55.9 cm) deep

Prod. No.
Right-Hinged
950S6320
Left-Hinged
950S6360

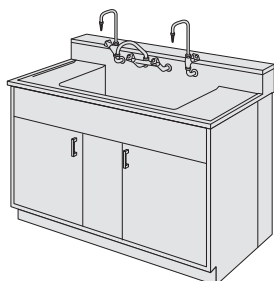
Gross Specimen Dissection Sink



- 48-1/16" (122.1 cm) wide x 30" (76.2 cm) deep x 51-7/16" (130.7 cm) high
- One piece stainless steel (type 304) sink assembly
- The 24" (61 cm) x 16" (40.6 cm) sectioning sink is 2" (5.1 cm) to 2-1/2" (6.4 cm) deep with cup strainer
- The 12" (30.5 cm) x 16" (40.6 cm) collecting basin is 7-1/2" (19.1 cm) deep
- Comes equipped with two HW/CW swing-spout mixing faucets
- Exhaust canopy hood at rear controls odors and houses fluorescent light
- Recommended exhaust volume – 200 CFM with .55 static pressure; face slot velocity is approximately 150 FPM
- The exhaust collar is 3" (7.6 cm) x 20" (50.8 cm) and centered on top of hood; may be relocated to back or beneath hood
- Extended lead time

Prod. No.	Width
950S6140	48" (121.9 cm)

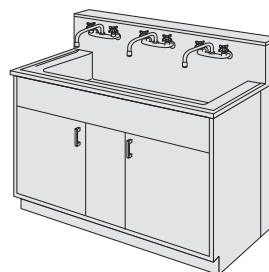
Sink Cabinet Assemblies with Stainless Steel Work Surfaces



- Overall dimensions: 62" (157.5 cm) wide x 30" (76.2 cm) deep x 36-1/2" (92.7 cm) high to the top of the work surface, 42-1/2" (108.0 cm) high to the top of the ledge
- One piece stainless steel (type 304) sink assembly, sink size 36" (91.4 cm) x 23" (58.4 cm) x 10" (25.4 cm) deep; comes with a cup strainer
- One HW/CW swing-spout mixing faucet and two single cold water faucets; select WaterSaver fixtures
- The integral ledge 6" (15.2 cm) high x 4" (10.2 cm) deep
- The base cabinet has a flush panel above double hinged doors
- Extended lead time

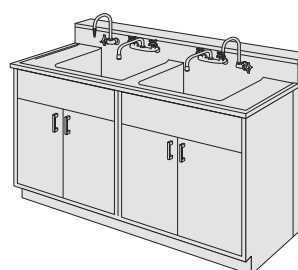
Prod. No.	WaterSaver fixtures
952S2030	

Sink Cabinet Assemblies with Stainless Steel Work Surfaces (continued)



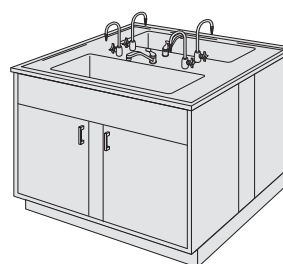
- Overall dimensions: 62" (157.5 cm) wide x 30" (76.2 cm) deep x 36-1/2" (92.7 cm) high to the top of the work surface, 46-1/2" (118.1 cm) high to the top of the ledge
- One piece stainless steel (type 304) sink assembly; sink size is 53" (134.6 cm) x 22" (55.9 cm) x 7-1/2" (19.1 cm) deep; comes with a cup strainer
- Three HW/CW swing-spout mixing faucets; select WaterSaver fixtures
- The integral ledge is 10" (25.4 cm) high x 4-11/32" (11.0 cm) deep
- The base cabinet has a flush panel above double hinged doors
- Extended lead time

Prod. No.	WaterSaver fixtures
952S0290	



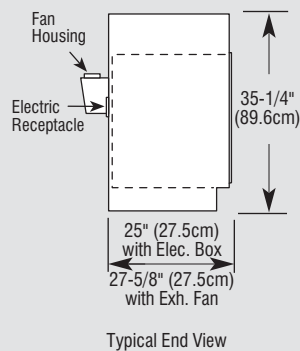
- Overall dimensions: 74" (188.0 cm) wide x 30" (76.2 cm) deep x 36-1/2" (92.7 cm) high to the top of the work surface, 42-1/2" (108.0 cm) high to the top of the ledge
- One piece stainless steel (type 304) double sink assembly; each sink is 24" (61.0 cm) x 23" (58.4 cm) x 10" (25.4 cm) deep, comes with a cup strainer
- Two HW/CW swing-spout mixing faucets and two single cold water faucets; select WaterSaver fixtures
- The integral ledge is 6" (15.2 cm) high x 4" (10.2 cm) deep
- The two base cabinets feature a flush panel above double hinged doors
- Extended lead time

Prod. No.	WaterSaver fixtures
952S2010	



- Overall dimensions: 53" (134.6 cm) wide x 54" (137.2 cm) deep x 36-1/2" (92.7 cm) high to the top of the work surface and 42-1/2" (108.0 cm) high to the top of the ledge
- One piece stainless steel (type 304) double sink assembly; each sink is 36" (91.4 cm) x 18" (45.7 cm) x 10" (25.4 cm) deep; comes with a cup strainer
- Includes two HW/CW swing-spout mixing faucets and four single cold water faucets; select WaterSaver fixtures
- The two base cabinets are positioned back-to-back with a plumbing space between. Each cabinet has a flush panel above double hinged doors
- Extended lead time

Prod. No.	WaterSaver fixtures
952S2050	

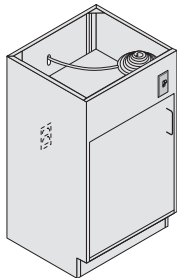
Base Cabinets**Specialty Cabinets**

- Fully insulated standing height cabinet with acoustical foam to reduce noise, noxious emissions, and oil spills – problems associated with vacuum pumps.
- The standard vacuum pump cabinet comes equipped with a 1" (2.54 cm) diameter hole in the cabinet back for a pump hose pass-thru or nozzle end with flange 30L51700 and 30L50200 which must be ordered separately.
- The cabinet back also has a 2" (5.1 cm) diameter hole for a 90L06000 and 90L06300 vent kit.
- Cabinet has no floor to accommodate a mobile platform, doors have integral toe space.
- Front panel above door also accommodates a Hamilton 36L series Variac voltage transformers.
- Included is a specifiable 235 cfm exhaust fan to address higher heat loads generated by larger vacuum pumps; fan assembly is attached to the cabinet back and has a 4" (10.2 cm) diameter duct collar. A series of holes in the toe space and louvers in the doors create additional air flow.
- Doors need to swing open 165 degrees to enable the mobile platform to be removed from the cabinet.
- Junction box and fan housing located on cabinet back.
- Duplex receptacle located on cabinet back and accessible from the inside of the cabinet.
- **All vacuum pump cabinets of this design must be ventilated to prevent the vacuum pump from overheating and failing during operation.**

- A – in the 5th position designates a basic cabinet
- B – in the 5th position designates a cabinet with fan/door louvers
- C – in the 5th position designates a cabinet with a variac with a pigtail whip
- D – in the 5th position designates a cabinet with a variac with a twist-lock plug
- E – in the 5th position designates a cabinet with fan/door louvers and a variac with a pigtail whip
- F – in the 5th position designates a cabinet with fan/door louvers and a variac with a twist-lock plug

Note: Asterisks must be replaced with one of the following letters:

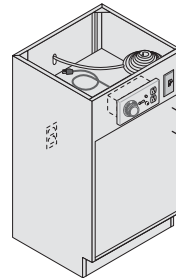
- B – in the 8th position designates an electrical switch/junction box without lock
- L – in the 8th position designates an electrical switch/junction box with lock
- D – in the 8th position designates an electrical switch/junction box without lock and with a 20-ft. whip
- K – in the 8th position designates an electrical switch/junction box with lock and with a 20-ft. whip

Vacuum Pump Cabinets

- 24" (61.0 cm) wide vacuum pump cabinet with electrical receptacle at rear and switch wired to duplex outlet

Prod. No.

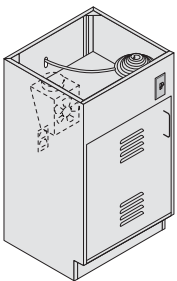
950SA23*	Left-hinged door
950SA24*	Right-hinged door



- 24" (61.0 cm) wide vacuum pump cabinet with electrical receptacle at rear, switch wired to duplex outlet and Variac with twist-lock plug

Prod. No.

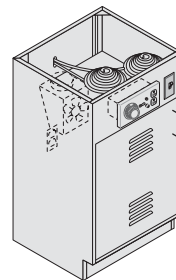
950SD23*	Left-hinged door
950SD24*	Right-hinged door



- 24" (61.0 cm) wide vacuum pump cabinet with louvered door, electrical receptacle and fan at rear and switch wired to duplex outlet

Prod. No.

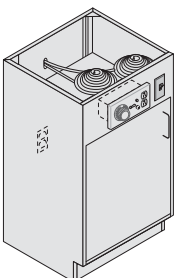
950SB23*	Left-hinged door
950SB24*	Right-hinged door



- 24" (61.0 cm) wide vacuum pump cabinet with louvered door, electrical receptacle and fan at rear, switch wired to duplex outlet and Variac with 20 ft. whip

Prod. No.

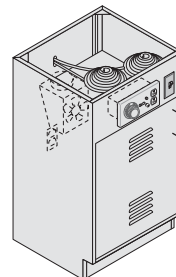
950SE23*	Left-hinged door
950SE24*	Right-hinged door



- 24" (61.0 cm) wide vacuum pump cabinet with electrical receptacle at rear, switch wired to duplex outlet and Variac with 20 ft. whip

Prod. No.

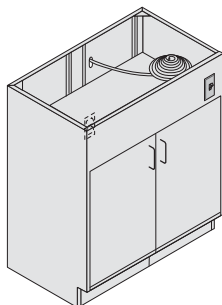
950SC23*	Left-hinged door
950SC24*	Right-hinged door



- 24" (61.0 cm) wide vacuum pump cabinet with louvered door, electrical receptacle and fan at rear, switch wired to duplex outlet and Variac with twist-lock plug

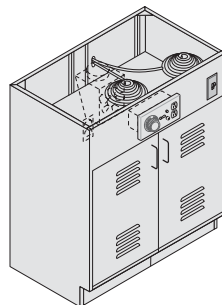
Prod. No.

950SF23*	Left-hinged door
950SF24*	Right-hinged door

Vacuum Pump Cabinets (continued)

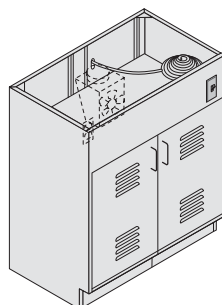
- Vacuum pump cabinet with double swinging doors
- Electrical receptacle at rear of cabinet
- Switch wired to duplex outlet

Prod. No.	Width
950SA30*	30" (76.2 cm)
950SA36*	36" (91.4 cm)
950SA48*	48" (121.9 cm)



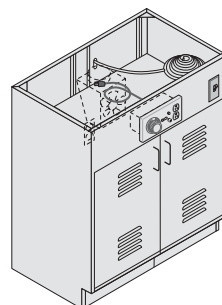
- Vacuum pump cabinet with double swinging louvered doors
- Electrical receptacle and fan at rear of cabinet
- Switch wired to duplex outlet
- Variac with 20 ft. whip

Prod. No.	Width
950SE30*	30" (76.2 cm)
950SE36*	36" (91.4 cm)
950SE48*	48" (121.9 cm)



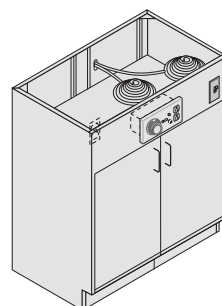
- Vacuum pump cabinet with double swinging louvered doors
- Electrical receptacle and fan at rear of cabinet
- Switch wired to duplex outlet

Prod. No.	Width
950SB30*	30" (76.2 cm)
950SB36*	36" (91.4 cm)
950SB48*	48" (121.9 cm)



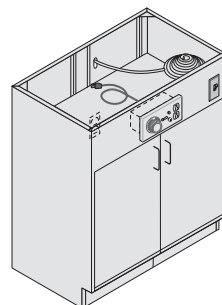
- Vacuum pump cabinet with double swinging louvered doors
- Electrical receptacle and fan at rear of cabinet
- Switch wired to duplex outlet
- Variac with twist-lock plug

Prod. No.	Width
950SF30*	30" (76.2 cm)
950SF36*	36" (91.4 cm)
950SF48*	48" (121.9 cm)



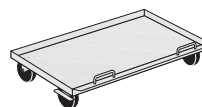
- Vacuum pump cabinet with double swinging doors
- Electrical receptacle at rear of cabinet
- Switch wired to duplex outlet
- Variac with 20 ft. whip

Prod. No.	Width
950SC30*	30" (76.2 cm)
950SC36*	36" (91.4 cm)
950SC48*	48" (121.9 cm)



- Vacuum pump cabinet with double swinging doors
- Electrical receptacle at rear of cabinet
- Switch wired to duplex outlet
- Variac with twist-lock plug

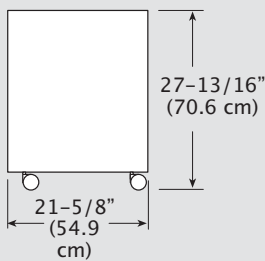
Prod. No.	Width
950SD30*	30" (76.2 cm)
950SD36*	36" (91.4 cm)
950SD48*	48" (121.9 cm)

Mobile Platform

- Mobile platform for use with vacuum pump cabinets
- Lipped platform equipped with two front swivel casters that can be locked
- Weight capacity 300 pounds
- 17-7/8" (45.4cm) deep x 5-3/4" (14.6cm) high

Prod. No.	Width
950H1130	21" (53.3 cm)
950H1160	27" (68.6 cm)
950H1140	33" (83.8 cm)
950H1150	45" (114.3 cm)

Mobile Base Cabinets – Fillers and Scribes for Base Cabinets

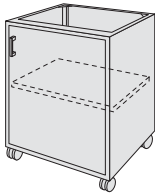


Typical End View

- Shelves are adjustable in 1/2" (1.3 cm) increments.
- Doors are standard without locks; replace "O" with "L" in the eighth position of product number to specify a unit with locks for doors. Lock and security panel options must be specified on the Options Menu pages 10-15.

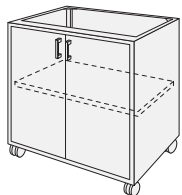
- Drawers are standard with locks and equipped with an integral locking device that allows operator to open only one drawer at a time.
- Drawers have standard suspension only – no full-extension option.
- Heavy-duty locking 2-1/2" double wheel casters.
- See page 45 to order additional shelves.
- All mobile steel cabinets (Tradition and Contrast) will ship with the casters factory installed.
- Steel mobile **drawer** units DO have anti-tip, drawer interlock mechanism and counterweight
- Steel mobile **door** units DO NOT have anti-tip, drawer interlock mechanism or counterweight; each unit *does* include an inner shelf
- Steel mobile **drawer/door** combination units DO NOT have an anti-tip, drawer interlock mechanism or inner shelf; each unit *does* include a counterweight

Mobile Base Cabinets



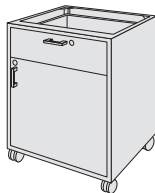
- Door cabinet
- Full-height left- or right-hinged door
- One adjustable shelf

Prod. No.	Width
Right-Hinged Door (shown)	
950S0800	18"(45.7 cm)
950S0820	24"(61.0 cm)
Left-Hinged Door	
950S0810	18"(45.7 cm)
950S0830	24"(61.0 cm)



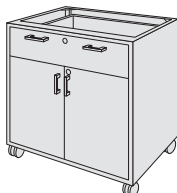
- Door cabinet
- Full-height double hinged doors
- One adjustable shelf

Prod. No.	Width
950S0840	30"(76.2 cm)



- Combination cabinet
- One 6" (15.2 cm) high drawer above cupboard with left- or right-hinged door

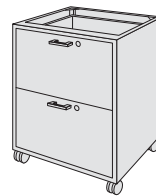
Prod. No.	Width
Right-Hinged Door (shown)	
950S085L	18"(45.7 cm)
950S087L	24"(61.0 cm)
Left-Hinged Door	
950S086L	18"(45.7 cm)
950S088L	24"(61.0 cm)



- Combination cabinet
- One 6" (15.2 cm) high drawer above cupboard with double hinged doors

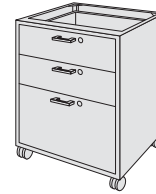
Prod. No.	Width
950S089L	30"(76.2 cm)

Mobile Base Cabinets (continued)



- Drawer cabinet
- Two 12" (30.5 cm) high file drawers

Prod. No.	Width
950S098L	18"(45.7 cm)
950S099L	24"(61.0 cm)



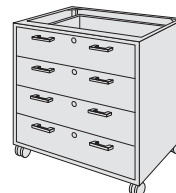
- Drawer cabinet
- Two 6" (15.2 cm) high drawers above one 12" (30.5 cm) high file drawer

Prod. No.	Width
950S096L	18"(45.7 cm)
950S097L	24"(61.0 cm)



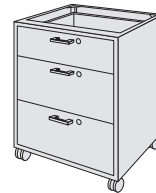
- Drawer cabinet
- Four 6" (15.2 cm) high drawers

Prod. No.	Width
950S090L	18"(45.7 cm)
950S091L	24"(61.0 cm)



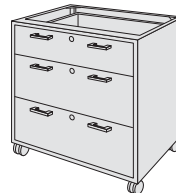
- Drawer cabinet
- Four 6" (15.2 cm) high drawers

Prod. No.	Width
950S092L	30"(76.2 cm)



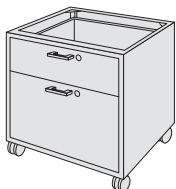
- Drawer cabinet
- One 6" (15.2 cm) high drawer above two 9" (22.7 cm) high drawers

Prod. No.	Width
950S093L	18"(45.7 cm)
950S094L	24"(61.0 cm)



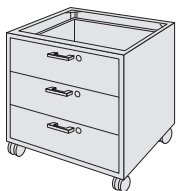
- Drawer cabinet
- One 6" (15.2 cm) high drawer above two 9" (22.7 cm) high drawers

Prod. No.	Width
950S095L	30"(76.2 cm)

Mobile Base Cabinets – Fillers and Scribes for Base Cabinets**Mobile Base Cabinets – 22" High**

- Drawer cabinet
- One 6" (15.2 cm) high drawer above one 12" (30.5 cm) high file drawer with full extension slides

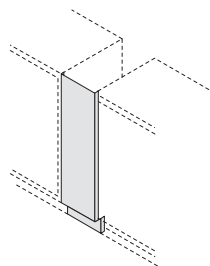
Prod. No.	Width
950S076L	18"(45.7 cm)
950S077L	24"(61.0 cm)



- Drawer cabinet
- Three 6" (15.2 cm) high drawers

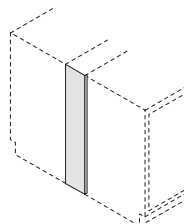
Prod. No.	Width
950S070L	18"(45.7 cm)
950S071L	24"(61.0 cm)

- Concealed clips attach filler panel to base cabinet.
- Fillers and scribes can be trimmed during installation for precise fit.

Filler Panels and Scribes

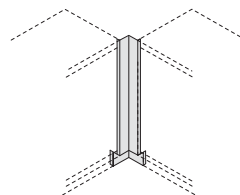
- Front filler panel
- For adjacent base cabinets

Prod. No.	Width
For Sitting-Height Cabinets	
600S6220	6" (15.2 cm)
614S6208	8" (20.3 cm)
614S6210	10" (25.4 cm)
614S6220	12" (30.5 cm)
614S6214	14" (35.6 cm)
614S6216	16" (40.6 cm)
614S2220	18" (45.7 cm)
For Standing-Height Cabinets	
600S6320	6" (15.2 cm)
614S6308	8" (20.3 cm)
614S6310	10" (25.4 cm)
614S6320	12" (30.5 cm)
614S6314	14" (35.6 cm)
614S6316	16" (40.6 cm)
614S2320	18" (45.7 cm)
For Pharmacy Cabinets	
600S6420	6" (15.2 cm)
614S6508	8" (20.3 cm)
614S6510	10" (25.4 cm)
614S6520	12" (30.5 cm)
614S6514	14" (35.6 cm)
614S6516	16" (40.6 cm)
614S2420	18" (45.7 cm)



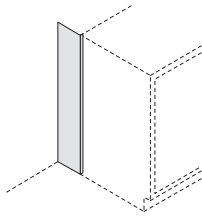
- Center filler panel.
- For back-to-back base cabinets.

Prod. No.	Width
For Sitting-Height Cabinets	
612S822	8-3/4" (22.2 cm)
612S422	14-3/4" (37.5 cm)
612S022	20-3/4" (52.7 cm)
For Standing-Height Cabinets	
612S832	8-3/4" (22.2 cm)
612S432	14-3/4" (37.5 cm)
612S032	20-3/4" (52.7 cm)
612S132	26-3/4" (67.9 cm)
For Pharmacy Cabinets	
612S842	8-3/4" (22.2 cm)
612S442	14-3/4" (37.5 cm)
612S042	20-3/4" (52.7 cm)
612S142	26-3/4" (67.9 cm)



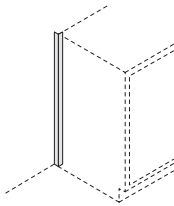
- Corner filler
- For base cabinets joined at a right angle
- Adjustable up to 5" x 1" x 5" (12.7 cm x 2.5 cm x 12.7 cm) in one direction

Prod. No.	Width
For Sitting-Height Cabinets	
607S1220	1" x 1" (2.50 cm)
607S2220	2" x 2" (5.10 cm)
607S0220	12" x 12" (30.5 cm)
For Standing-Height Cabinets	
607S1320	1" x 1" (2.50 cm)
607S2320	2" x 2" (5.10 cm)
607S0320	12" x 12" (30.5 cm)
For Pharmacy Cabinets	
607S1420	1" x 1" (2.50 cm)
607S2420	2" x 2" (5.10 cm)
607S0420	12" x 12" (30.5 cm)

Base Cabinets**Fillers, Scribes and Knee Space Panel****Filler Panels and Scribes (continued)**

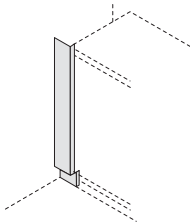
- Rear filler panel
- For closing service space at rear of base cabinets

Prod. No.	Width
For Sitting-Height Cabinets	
611S7220	7-3/8" (18.7 cm)
611S5220	10-3/8" (26.4 cm)
611S0220	10-5/8" (27.0 cm)
611S2220	12-1/8" (30.8 cm)
611S3220	13-3/8" (34.0 cm)
611S6220	13-5/8" (34.6 cm)
611S1220	19-3/8" (49.2 cm)
For Standing-Height Cabinets	
611S7320	7-3/8" (18.7 cm)
611S5320	10-3/8" (26.4 cm)
611S0320	10-5/8" (27.0 cm)
611S2320	12-1/8" (30.8 cm)
611S3320	13-3/8" (34.0 cm)
611S1320	19-3/8" (49.2 cm)



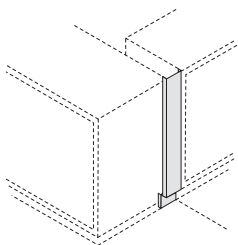
- Rear scribe
- For base cabinets adjacent to wall

Prod. No.	Width
For Sitting-Height Cabinets	
618S0240	1-3/8" (3.5 cm)
618S0230	2-3/8" (6.0 cm)
618S0250	3-3/8" (8.6 cm)
For Standing-Height Cabinets	
618S0340	1-3/8" (3.5 cm)
618S0330	2-3/8" (6.0 cm)
618S0350	3-3/8" (8.6 cm)
For Pharmacy Cabinets	
618S0440	1-3/8" (3.5 cm)
618S0430	2-3/8" (6.0 cm)
618S0450	3-3/8" (8.6 cm)



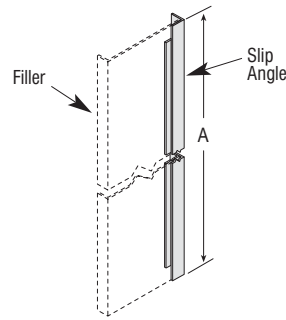
- End scribe
- For base cabinet adjacent to wall

Prod. No.	Width
For Sitting-Height Cabinets	
600S2220	1" (2.5 cm)
600S2222	2" (5.1 cm)
600S2223	3" (7.6 cm)
600S2224	4" (10.2 cm)
600S2225	5" (12.7 cm)
For Standing-Height Cabinets	
600S2320	1" (2.5 cm)
600S2322	2" (5.1 cm)
600S2323	3" (7.6 cm)
600S2324	4" (10.2 cm)
600S2325	5" (12.7 cm)
For Pharmacy Cabinets	
600S2420	1" (2.5 cm)
600S2422	2" (5.1 cm)
600S2423	3" (7.6 cm)
600S2424	4" (10.2 cm)
600S2425	5" (12.7 cm)



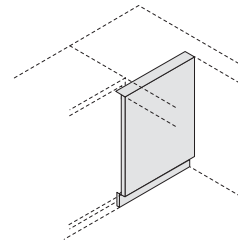
- End rear filler for sink cabinets
- 35-1/4" (90.8 cm)

Prod. No.	Width
614S3120	1-3/8" (3.5 cm)
614S3220	2-3/8" (6.0 cm)
614S3320	3-3/8" (8.6 cm)
614S3420	7-3/8" (18.7 cm)

Slip Angle

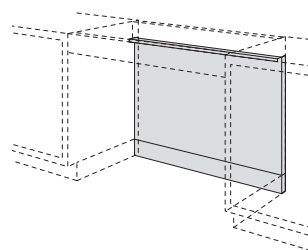
- Conceals trimmed edge.
- Attach to wall or adjacent cabinet

Prod. No.	Height Dim. A
MS832029	4-1/2" (11.43 cm)
MS686190	19-3/8" (49.21 cm)
MS686195	20-19/64" (51.55 cm)
MS682450	24-1/2" (62.23 cm)
MS685761	25-3/16" (63.98 cm)
MS685762	26-7/64" (66.32 cm)
MS685763	31" (78.74 cm)
MS685764	31-15/16" (81.08 cm)
MS685765	33-29/32" (86.12 cm)
MS685766	36-13/16" (93.50 cm)
MS685767	37-3/4" (95.84 cm)
MS685768	49-13/32" (125.5 cm)
MS685769	50-21/64" (127.8 cm)
MS685770	80-13/32" (204.2 cm)
MS685771	81-7/32" (206.6 cm)
MS685772	84-3/8" (214.3 cm)
MS832028	120" (304.8 cm)

Corner Knee Space Panel

- Straight filler to close off corner
- For below knee space rail from cabinet to wall

Prod. No.	Width
For Sitting-Height Cabinets	
614S1220	24" (61.0 cm)
614S1320	30" (76.2 cm)
For Standing-Height Cabinets	
614S1230	24" (61.0 cm)
614S1330	30" (76.2 cm)

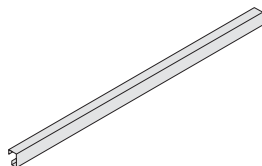
Knee Space Panel

- Physical barrier at rear of knee space; mounts below existing knee space rail
- Attachment hardware is included

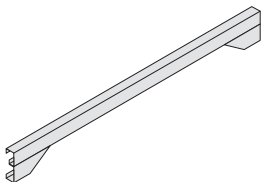
Prod. No.	Panel Width
Sitting Height, 24" (61.0cm) high	
616S4220	24" (61.0 cm)
616S5220	30" (76.2 cm)
616S6220	36" (91.4 cm)
616S7220	42" (106.7 cm)
616S8220	48" (121.9 cm)
616S0220	54" (137.2 cm)
616S9220	60" (152.4 cm)
616S1220	66" (167.6 cm)
616S2220	72" (182.9 cm)
Standing Height, 30-1/4" (76.8cm) high	
616S4320	24" (61.0 cm)
616S5320	30" (76.2 cm)
616S6320	36" (91.4 cm)
616S7320	42" (106.7 cm)
616S8320	48" (121.9 cm)
616S0320	54" (137.2 cm)
616S9320	60" (152.4 cm)
616S1320	66" (167.6 cm)
616S2320	72" (182.9 cm)
Pharmacy Height, 33-1/8" (84.2cm) high	
616S4420	24" (61.0 cm)
616S5420	30" (76.2 cm)
616S6420	36" (91.4 cm)
616S7420	42" (106.7 cm)
616S8420	48" (121.9 cm)
616S0420	54" (137.2 cm)
616S9420	60" (152.4 cm)
616S1420	66" (167.6 cm)
616S2420	72" (182.9 cm)

Knee Space Rails, End Support Panels and Wall Bracket**Knee Space Rail**

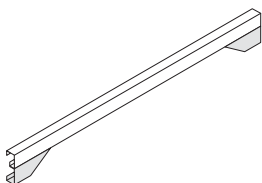
- Knee space rail
- Use to close in front of knee space area between two cabinets
- Attachment hardware included



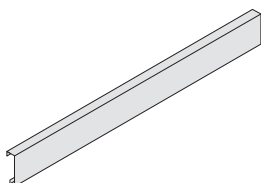
Prod. No.	Panel Width
2" (5.1 cm) High – Cannot be used with leg assemblies	
500S2010	24" (61.0 cm)
500S2020	30" (76.2 cm)
500S2030	36" (91.4 cm)
500S2040	42" (106.7 cm)
500S2050	48" (121.9 cm)
500S2060	54" (137.2 cm)
500S2070	60" (152.4 cm)
500S2080	66" (167.6 cm)
500S2090	72" (182.9 cm)



2" (5.1 cm) High with end brackets – Can be used with leg assemblies	
500S4110	24" (61.0 cm)
500S4120	30" (76.2 cm)
500S4130	36" (91.4 cm)
500S4140	42" (106.7 cm)
500S4150	48" (121.9 cm)
500S4160	54" (137.2 cm)
500S4170	60" (152.4 cm)
500S4180	66" (167.6 cm)
500S4190	72" (182.9 cm)



End brackets only – use with 2" high knee space rail
531S2390 RH and LH brackets

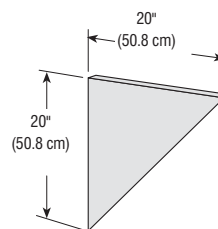


4-1/2" (11.4 cm) high – can be used with leg assemblies or as a knee space rail	
500S4010	24" (61.0 cm)
500S4020	30" (76.2 cm)
500S4030	36" (91.4 cm)
500S4040	42" (106.7 cm)
500S4050	48" (121.9 cm)
500S4060	54" (137.2 cm)
500S4070	60" (152.4 cm)
500S4080	66" (167.6 cm)
500S4090	72" (182.9 cm)

End Support Panels

- Panel end support
- Use in place of legs on one end to support drawer frame
- Angles are bolted to panel for easy removal
- Attachment hardware is included

22" (55.9 cm) Deep	28" (71.1 cm) Deep	Height
525S3020	525S3080	29" (73.7 cm)
525S3620	525S3680	35" (88.9 cm)

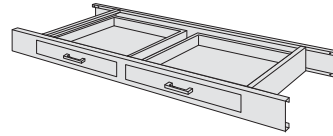
Wall Bracket

- Wall bracket
- Use to support a drawer frame cantilevered off a wall
- Attachment hardware is included

Prod. No.
526S1000

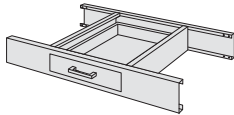
Base Cabinets**Knee Space Drawer Frames****Knee Space Drawer Frames**Support Between a Base Cabinet and
Pair of Table Legs or Wall

- Attachment hardware is included.
- Standard without locks. Add an "L" to eighth position of product number to specify locks for drawers.

Support Between
Two Base Cabinets

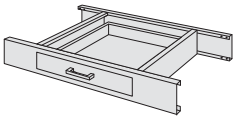
- Use for a knee space or table frame
- Combination frame and drawer to support a top suspended between two base units or a base unit and the wall
- Two large drawers

21-1/2" (55.9 cm) Deep	28" (71.1 cm) Deep	Width
502S4250	502S4850	66" (167.6 cm)
502S4260	502S4860	72" (182.9 cm)



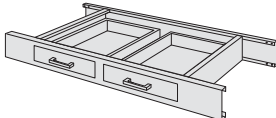
- Use for a knee space or table frame
- One standard drawer
- Combination frame and drawer to support a top suspended between two base cabinets or a base cabinet and the wall

21-1/2" (54.6 cm) Deep	28" (71.1 cm) Deep	Width
501S2210	501S2810	24" (61.0 cm)
501S2220	501S2820	30" (76.2 cm)
501S2230	501S2830	36" (91.4 cm)



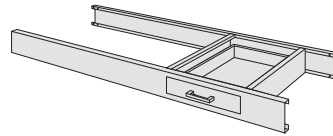
- Use for a knee space or table frame
- One large drawer

21-1/2" (54.6 cm) Deep	28" (71.1 cm) Deep	Width
501S4230	501S4830	36" (91.4 cm)
501S4240	501S4840	42" (106.7 cm)
501S4250	501S4850	48" (121.9 cm)
501S4260	501S4860	54" (137.2 cm)
501S4270	501S4870	60" (152.4 cm)

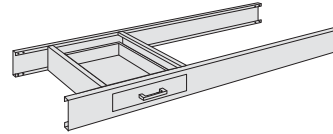


- Use for a knee space or table frame
- Two standard drawers

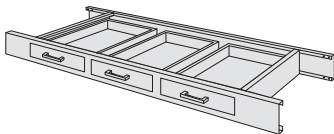
21-1/2" (54.6 cm) Deep	28" (71.1 cm) Deep	Width
502S2200	502S2800	36" (91.4 cm)
502S2210	502S2810	42" (106.7 cm)
502S2220	502S2820	48" (121.9 cm)
502S2230	502S2830	54" (137.1 cm)



- Corner drawer frame
- Use for a knee space or table frame
- One standard drawer



Prod. No.	Width
21-1/2" (54.6 cm) Deep, Right Drawer	
512S2210	48" (121.9 cm)
512S2220	54" (137.1 cm)
512S2230	60" (152.4 cm)
512S2240	66" (167.6 cm)
512S2250	72" (182.9 cm)
21-1/2" (54.6 cm) Deep, Left Drawer	
511S2210	48" (121.9 cm)
511S2220	54" (137.1 cm)
511S2230	60" (152.4 cm)
511S2240	66" (167.6 cm)
511S2250	72" (182.9 cm)
28" (71.1 cm) Deep, Right Drawer	
512S2810	48" (121.9 cm)
512S2820	54" (137.1 cm)
512S2830	60" (152.4 cm)
512S2840	66" (167.6 cm)
512S2850	72" (182.9 cm)
28" (71.1 cm) Deep, Left Drawer	
511S2810	48" (121.9 cm)
511S2820	54" (137.1 cm)
511S2830	60" (152.4 cm)
511S2840	66" (167.6 cm)
511S2850	72" (182.9 cm)

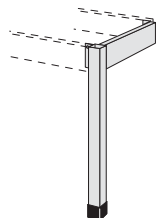


- Use for a knee space or table frame
- Three standard drawers

21-1/2" (54.6 cm) Deep	28" (71.1 cm) Deep	Width
503S2210	503S2810	60" (152.4 cm)
503S2220	503S2820	66" (167.6 cm)
503S2230	503S2830	72" (182.9 cm)

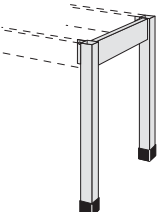
End Leg Assemblies

- Legs include adjustable leveler glides and vinyl leg shoes on legs.
- Attachment hardware is included.



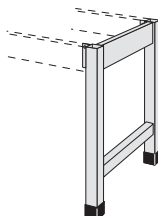
- Single leg provides support at either end of the table frame (reversible in field)
- Connects to wall

21-9/16" (54.8 cm) Deep	28" (71.1 cm) Deep	Width
524S3020	524S3080	29" (73.7 cm)
524S3620	524S3680	35" (88.9 cm)



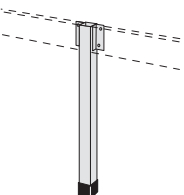
- Double leg assembly provides support at either end of the table frame

Prod. No.	Height
21-5/8" (54.9 cm) Deep	
522S3010	29" (73.7 cm)
522S3610	35" (88.9 cm)
28" (71.1 cm) Deep	
522S3020	29" (73.7 cm)
522S3620	35" (88.9 cm)
34" (86.4 cm) Deep	
522S3050	29" (73.7 cm)
522S3650	35" (88.9 cm)
40" (101.6 cm) Deep	
522S3030	29" (73.7 cm)
522S3630	35" (88.9 cm)
46" (116.8 cm) Deep	
522S3040	29" (73.7 cm)
522S3640	35" (88.9 cm)



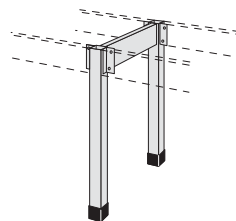
- Double leg assembly provides support at either end of the table frame
- Crossrail provides additional rigidity to a leg unit and is required for stretcher rail installation

Prod. No.	Height
21-5/8" (54.9 cm) Deep	
522S4010	29" (73.7 cm)
522S4610	35" (88.9 cm)
28" (71.1 cm) Deep	
522S4020	29" (73.7 cm)
522S4620	35" (88.9 cm)
34" (86.4 cm) Deep	
522S4050	29" (73.7 cm)
522S4650	35" (88.9 cm)
40" (101.6 cm) Deep	
522S4030	29" (73.7 cm)
522S4630	35" (88.9 cm)
46" (116.8 cm) Deep	
522S4040	29" (73.7 cm)
522S4640	35" (88.9 cm)

Center Leg Assemblies

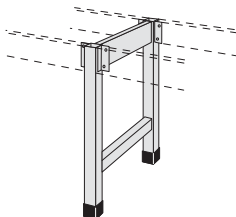
- Single leg provides support between drawer frames

Prod. No.	Height
521S3000	29" (73.7 cm)
521S3600	35" (88.9 cm)

Center Leg Assemblies (continued)

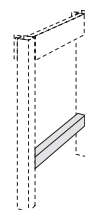
- Double leg assembly provides support at the center of a table frame

Prod. No.	Height
21-5/8" (54.9 cm) Deep	
523S3010	29" (73.7 cm)
523S3610	35" (88.9 cm)
28" (71.1 cm) Deep	
523S3020	29" (73.7 cm)
523S3620	35" (88.9 cm)
34" (86.4 cm) Deep	
523S3050	29" (73.7 cm)
523S3650	35" (88.9 cm)
40" (101.6 cm) Deep	
523S3030	29" (73.7 cm)
523S3630	35" (88.9 cm)
46" (116.8 cm) Deep	
523S3040	29" (73.7 cm)
523S3640	35" (88.9 cm)



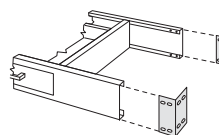
- Double leg assembly provides support at the center of a table frame

Prod. No.	Height
21-5/8" (54.9 cm) Deep	
523S4010	29" (73.7 cm)
523S4610	35" (88.9 cm)
28" (71.1 cm) Deep	
523S4020	29" (73.7 cm)
523S4620	35" (88.9 cm)
34" (86.4 cm) Deep	
523S4050	29" (73.7 cm)
523S4650	35" (88.9 cm)
40" (101.6 cm) Deep	
523S4030	29" (73.7 cm)
523S4630	35" (88.9 cm)
46" (116.8 cm) Deep	
523S4040	29" (73.7 cm)
523S4640	35" (88.9 cm)

Leg Rails

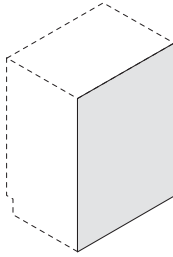
- Crossrails provide additional rigidity for leg units and are required for stretcher rail installation, see page 75

Prod. No.	Width of Leg Unit
529S2200	21-5/8" (55.9 cm)
529S2800	28" (71.1 cm)
529S3400	34" (86.4 cm)
529S4000	40" (101.6 cm)
529S4600	46" (116.8 cm)

End Angles

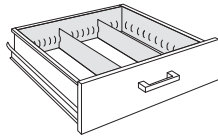
- Angles are designed to be used to attach a drawer frame to an adjacent cabinet for stability
- Use in pairs, one attaching at the front on the side and the other at the rear on the side

Prod. No. (Pair)	Height
527S2000	2" (5.1 cm)
527S4000	4-1/2" (11.4 cm)

Base Cabinets**Cabinet Accessories****Finished Back**

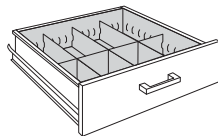
- For use when a base cabinet back is exposed to view

Prod. No.	Width
For Sitting-Height Cabinets	
531M1310	15" (38.1 cm)
531M1320	18" (45.7 cm)
531M1330	21" (53.3 cm)
531M1340	24" (61.0 cm)
531M1350	30" (76.2 cm)
531M1360	36" (91.4 cm)
531M1370	42" (106.7 cm)
531M1380	48" (121.9 cm)
For Standing-Height Cabinets	
531M1410	15" (38.1 cm)
531M1420	18" (45.7 cm)
531M1430	21" (53.3 cm)
531M1440	24" (61.0 cm)
531M1450	30" (76.2 cm)
531M1460	36" (91.4 cm)
531M1470	42" (106.7 cm)
531M1480	48" (121.9 cm)

Drawer Partitions

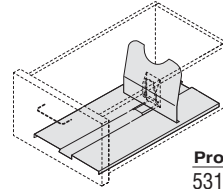
- Three-section drawer insert
- Drawer partition inserts consist of perimeter mounting members with divider partitions
- Stock drawer partitions available for wider drawers; to order, specify drawer width, depth and height

Prod. No.	Width
1-1/2" (3.8 cm) high partition for 3" (7.6 cm) high drawer	
531S4050	18" (45.7 cm)
531S4060	24" (61.0 cm)
4-1/4" (10.8 cm) high partition for 6" (15.2 cm) high drawer	
531S4070	18" (45.7 cm)
531S4080	24" (61.0 cm)



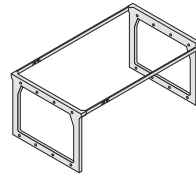
- Eight-section drawer insert
- Drawer partition inserts consist of perimeter mounting members with divider partitions.
- Stock drawer partitions available for wider drawers; to order, specify drawer width, depth and height

Prod. No.	Width
1-1/2" (3.8 cm) high partition for 3" (7.6 cm) high drawer	
531S4130	18" (45.7 cm)
531S4140	24" (61.0 cm)
4-1/4" (10.8 cm) high partition for 6" (15.2 cm) high drawer	
531S4150	18" (45.7 cm)
531S4160	24" (61.0 cm)

File Drawer Follower/Insert Assembly

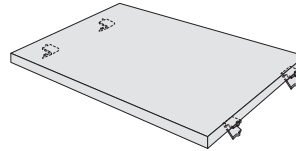
- Add to cabinet file drawers
- Color is Chameleon

Prod. No.	Insert Width	Cabinet Width
531S1510	14-1/8" (35.9 cm)	18" (45.7 cm)
531S1520	17-1/8" (43.5 cm)	21" (53.3 cm)
531S1530	20-1/8" (51.1 cm)	24" (61.0 cm)

File Hanger

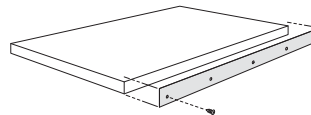
- For hanging Pendaflex files (front-to-back)
- Fits into 18" wide drawers
- Adjustable to different depths of file drawers

Prod. No.
531M3000

Adjustable Shelves

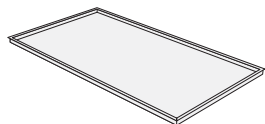
- For floor-mounted or suspended base cabinets
- Includes four mounting clips per shelf

Product No.	Width
Open Cabinets and Cabinets with Swinging Doors	
531S8210	15" (38.1 cm)
531S8220	18" (45.7 cm)
531S8230	21" (53.3 cm)
531S8240	24" (61.0 cm)
531S8250	30" (76.2 cm)
531S8260	36" (91.4 cm)
531S8270	42" (106.7 cm)
531S8280	48" (121.9 cm)
Cabinet with Sliding Doors	
531S9250	30" (76.2 cm)
531S9260	36" (91.4 cm)
531S9270	42" (106.7 cm)
531S9280	42" (106.7 cm)

Shelf Retaining Lip

- For installation on the front edge of steel shelves in base cabinets
- 1/8" clear Plexiglass
- Designed for field installation

Product No.	Width
531S3910	15" (38.1 cm)
531S3920	18" (45.7 cm)
531S3930	21" (53.3 cm)
531S3940	24" (61.0 cm)
531S3950	30" (76.2 cm)
531S3960	36" (91.4 cm)
531S3970	42" (106.7 cm)
531S3980	48" (121.9 cm)

Cabinet Accessories and Drawer Dimensions**Shelf Protector Trays**

- White Natural plastic tray
- Fits into cupboard bottom or on full-depth shelf
- 1" (2.5 cm) lip on four sides to contain spills
- Do not fit poly-lined cabinets

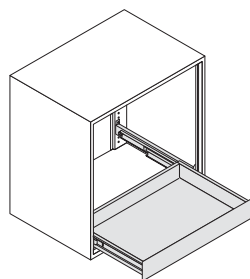
Prod. No.	Tray Size	Fits Cabinet Width
For Steel Base Cabinets		
90L23191*	23" X 19" (58.4 X 48.3 cm)	24" (61.0 cm)
90L29191*	29" X 19" (73.7 X 48.3 cm)	30" (76.2 cm)
90L35191*	35" X 19" (89.0 X 48.3 cm)	36" (91.4 cm)
90L41191	41" X 19" (104.1 X 48.3 cm)	42" (106.7 cm)
90L47191*	47" X 19" (119.4 X 48.3 cm)	48" (121.9 cm)
90L57191*	57" X 19" (144.8 X 48.3 cm)	58" (147.3 cm)

For Steel & Wood Acid Storage Cabinets and Wood Base Cabinets		
90L21191*	21" X 19" (53.3 X 48.3 cm)	24" (61.0 cm)
90L27191*	27" X 19" (68.6 X 48.3 cm)	30" (76.2 cm)
90L33191*	33" X 19" (83.8 X 48.3 cm)	36" (91.4 cm)
90L39191*	39" X 19" (99.1 X 48.3 cm)	42" (106.7 cm)
90L45191*	45" X 19" (114.3 X 48.3 cm)	48" (121.9 cm)

For Steel & Wood Flammable Storage Base Cabinets		
90L19161*	19" X 16" (48.3 X 40.6 cm)	24" (61.0 cm)
90L25161*	25" X 16" (63.5 X 40.6 cm)	30" (76.2 cm)
90L29161*	29" X 16" (73.7 X 40.6 cm)	34" (86.4 cm)
90L31161*	31" X 16" (78.7 X 40.6 cm)	36" (91.4 cm)
90L37161*	37" X 16" (94.0 X 40.6 cm)	42" (106.7 cm)
90L43161*	43" X 16" (109.2 X 40.6 cm)	48" (121.9 cm)

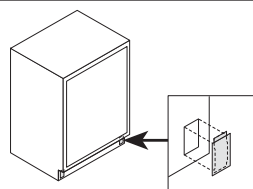
For Other Steel Flammable Storage Cabinets		
90L37141	37" X 14" (94.0 X 35.6 cm)	950S8400
90L25251	25" X 25" (63.5 X 63.5 cm)	950S8410
90L14131	13" X 14" (33.0 X 35.6 cm)	950S8420

* Available on extended lead time.

Pull-Out Shelves

- For 21-5/8" (54.9 cm) deep Inset steel base cabinets only; does not fit Acclaim or Accent steel cabinets
- Install in cupboard or open compartments

Product No.	Width
With standard 3/4 suspension and self-closing feature	
531M117STD	15" (38.1 cm)
531M118STD	18" (45.7 cm)
531M119STD	21" (53.3 cm)
531M121STD	24" (61.0 cm)
531M120STD	30" (76.2 cm)
531M122STD	36" (91.4 cm)
531M130STD	42" (106.7 cm)
531M123STD	48" (121.9 cm)
With full-extension slides	
531M117EXT	15" (38.1 cm)
531M118EXT	18" (45.7 cm)
531M119EXT	21" (53.3 cm)
531M121EXT	24" (61.0 cm)
531M120EXT	30" (76.2 cm)
531M122EXT	36" (91.4 cm)
531M130EXT	42" (106.7 cm)
531M123EXT	48" (121.9 cm)

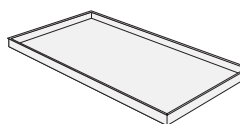
Toe Kick Plate

950M4050

Replacement parts kit for leveling tool

- Steel toe kick plate covers the lever access port on the front toe base of floor-mounted cabinets
- Attaches without tools

Prod. No.	
531S2400	One pair

Shelf Protector Trays

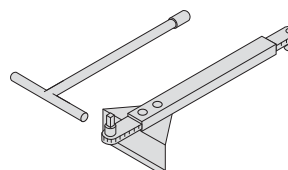
- White Natural plastic tray
- Fits into cupboard bottom or on full-depth shelf
- 2" (5.08 cm) lip on four sides to contain spills
- Do not fit poly-lined cabinets

Prod. No.	Tray Size	Fits Cabinet Width
For Steel Base Cabinets		
90L23192*	23" X 19" (58.4 X 48.3 cm)	24" (61.0 cm)
90L29192*	29" X 19" (73.7 X 48.3 cm)	30" (76.2 cm)
90L35192*	35" X 19" (89.0 X 48.3 cm)	36" (91.4 cm)
90L41192*	41" X 19" (104.1 X 48.3 cm)	42" (106.7 cm)
90L47192*	47" X 19" (119.4 X 48.3 cm)	48" (121.9 cm)
90L57192	57" X 19" (144.8 X 48.3 cm)	58" (147.3 cm)

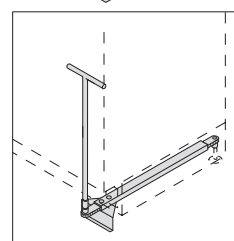
For Steel & Wood Acid Storage Cabinets and Wood Base Cabinets		
90L21192*	21" X 19" (53.3 X 48.3 cm)	24" (61.0 cm)
90L27192*	27" X 19" (68.6 X 48.3 cm)	30" (76.2 cm)
90L33192*	33" X 19" (83.8 X 48.3 cm)	36" (91.4 cm)
90L39192*	39" X 19" (99.1 X 48.3 cm)	42" (106.7 cm)
90L45192*	45" X 19" (114.3 X 48.3 cm)	48" (121.9 cm)

For Steel & Wood Flammable Storage Base Cabinets		
90L19162*	19" X 16" (48.3 X 40.6 cm)	24" (61.0 cm)
90L25162*	25" X 16" (63.5 X 40.6 cm)	30" (76.2 cm)
90L29162*	29" X 16" (73.7 X 40.6 cm)	34" (86.4 cm)
90L31162*	31" X 16" (78.7 X 40.6 cm)	36" (91.4 cm)
90L37162*	37" X 16" (94.0 X 40.6 cm)	42" (106.7 cm)
90L43162*	43" X 16" (109.2 X 40.6 cm)	48" (121.9 cm)

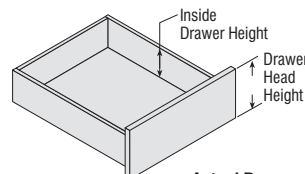
For Other Steel Flammable Storage Cabinets		
90L37142	37" X 14" (94.0 X 35.6 cm)	950S8400
90L25252	25" X 25" (63.5 X 63.5 cm)	950S8410
90L14132	13" X 14" (33.0 X 35.6 cm)	950S8420

Leveling Tool

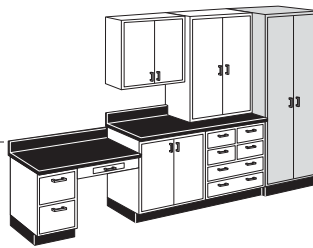
- For use with steel floor-mounted cabinets
- Fits through toe space access opening to rear leveling feet
- Relocates forward to capture front levelers



Prod. No.
950M4000

Drawer Dimensions

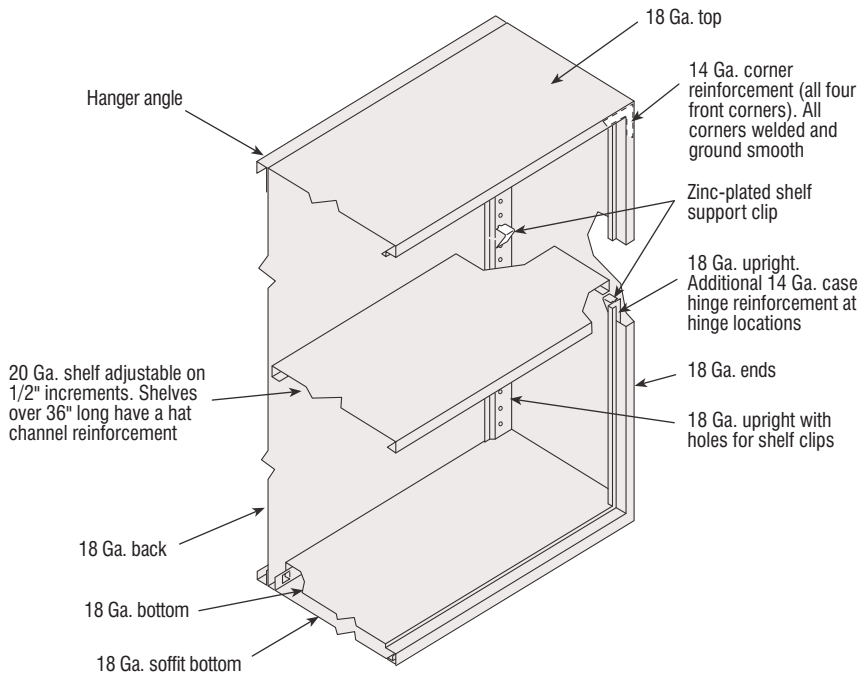
Drawer Height	Actual Drawer Head Height	Actual Inside Drawer Height
3" (7.62cm)	2-13/16" (7.14cm)	1-5/8" (4.13cm)
6" (15.24cm)	5-23/32" (14.53cm)	4-1/2" (15.24cm)
7-1/2" (19.05cm)	7-11/64" (18.22cm)	6" (11.43cm)
9" (22.86cm)	8-5/8" (21.91cm)	7-3/8" (18.73cm)
10" (25.40cm)	9-19/32" (24.37cm)	8-1/4" (20.96cm)
12" File Drawer	11-17/32" (29.29cm)	10-1/4" (26.04cm)



Wall Cases

Sturdy Hamilton Scientific wall cases are available in a wide range of sizes. They are designed for maximum storage capacity and easy access.

These quality wall cases are available with sliding or swinging doors in solid, framed or unframed glass styles. Choose single or double doors or open cases. Double-sided wall cases also are available.



Open Cases p. 48–53

Solid Swinging Door Cases p. 48–53

Framed Glass Swinging Door Cases p. 48–53

Solid Sliding Door Cases p. 48–53

Framed Glass Sliding Door Cases p. 48–53

Unframed Glass Sliding Door Cases p. 48–53

Filler Panels and Scribes . p. 54–55

Supports and Finished Backs . p. 55

Sloping Tops p. 71

Steel Doors:

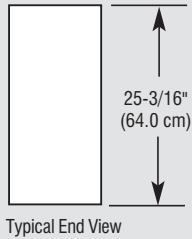
- Doors are constructed with 20 gauge interior and 18 gauge exterior panels filled with sound deadening material, a 14 Gauge steel reinforcement is added at hinge locations and a 20 Gauge vertical reinforcement channel is included in each door.
- Doors are equipped with nylon roller catches. When a lock is supplied with double doors, an elbow catch is provided on the left-hand door.

Wood Doors:

- Doors are constructed with a 3/4" thick veneer clad particle board core with 3mm thick veneer edge banding.

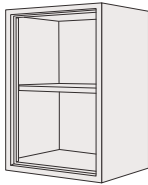
Wall Cases

Wall Cases – 25-3/16" High With One Shelf

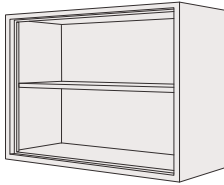


- Cases include soffit bottoms.
- Shelves are adjustable in 1/2" (1.3 cm) increments.
- Cases have integral finished backs and fixed hanger rails. Hanger rails may be omitted upon request.
- Standard without locks. Replace "0" with "L" in eighth position of product number to specify a unit with locks for doors. Locks must be specified on the Options Menu pages 10-15.
- See page 70 to order additional shelves.

Open Cases

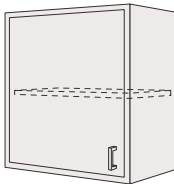


13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
700S1230	700S1260	15" (38.1 cm)
700S2230	700S2260	18" (45.7 cm)
700S3230	700S3260	21" (53.3 cm)
700S4230	700S4260	24" (61.0 cm)

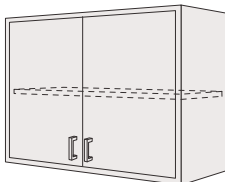


13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
700S5230	700S5260	30" (76.2 cm)
700S6230	700S6260	36" (91.4 cm)
700S7230	700S7260	42" (106.7 cm)
700S8230	700S8260	48" (121.9 cm)

Solid Swinging Door Cases

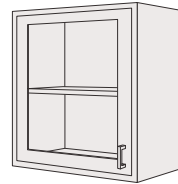


13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
Right-Hinged		
702S1230	702S1260	15" (38.1 cm)
702S2230	702S2260	18" (45.7 cm)
702S3230	702S3260	21" (53.3 cm)
702S4230	702S4260	24" (61.0 cm)
Left-Hinged		
703S1230	703S1260	15" (38.1 cm)
703S2230	703S2260	18" (45.7 cm)
703S3230	703S3260	21" (53.3 cm)
703S4230	703S4260	24" (61.0 cm)

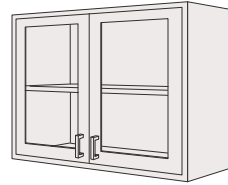


13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
706S5230	706S5260	30" (76.2 cm)
706S6230	706S6260	36" (91.4 cm)
706S7230	706S7260	42" (106.7 cm)
706S8230	706S8260	48" (121.9 cm)

Framed Glass Swinging Door Cases

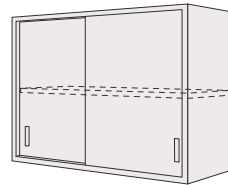


13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
Right-Hinged		
708S1230	708S1260	15" (38.1 cm)
708S2230	708S2260	18" (45.7 cm)
708S3230	708S3260	21" (53.3 cm)
708S4230	708S4260	24" (61.0 cm)
Left-Hinged		
709S1230	709S1260	15" (38.1 cm)
709S2230	709S2260	18" (45.7 cm)
709S3230	709S3260	21" (53.3 cm)
709S4230	709S4260	24" (61.0 cm)



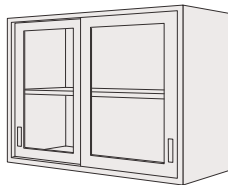
13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
715S5230	715S5260	30" (76.2 cm)
712S6230	712S6260	36" (91.4 cm)
712S7230	712S7260	42" (106.7 cm)
712S8230	712S8260	48" (121.9 cm)

Solid Sliding Door Cases



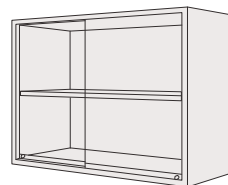
13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
Without Locks		
715S523M	715S526M	30" (76.2 cm)
715S623M	715S626M	36" (91.4 cm)
715S723M	715S726M	42" (106.7 cm)
715S823M	715S826M	48" (121.9 cm)
With Locks		
715S523H	715S526H	30" (76.2 cm)
715S623H	715S626H	36" (91.4 cm)
715S723H	715S726H	42" (106.7 cm)
715S823H	715S826H	48" (121.9 cm)

Framed Glass Sliding Door Cases

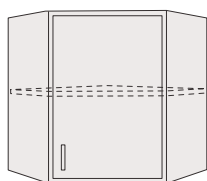


13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
Without Locks		
718S523M	718S526M	30" (76.2 cm)
718S623M	718S626M	36" (91.4 cm)
718S723M	718S726M	42" (106.7 cm)
718S823M	718S826M	48" (121.9 cm)
With Locks		
718S523H	718S526H	30" (76.2 cm)
718S623H	718S626H	36" (91.4 cm)
718S723H	718S726H	42" (106.7 cm)
718S823H	718S826H	48" (121.9 cm)

Unframed Glass Sliding Door Cases

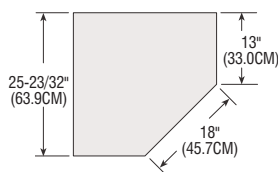


13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
722S5230	722S5260	30" (76.2 cm)
722S6230	722S6260	36" (91.4 cm)
722S7230	722S7260	42" (106.7 cm)
722S8230	722S8260	48" (121.9 cm)

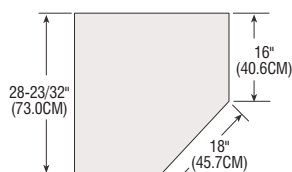
Wall Cases**Wall Cases – 25-3/16" High With One Shelf****Corner Cases**

- Solid hinged door

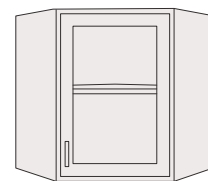
13" (33.0 cm) Deep	16" (40.6 cm) Deep
723M2230	723M2260



Top View – 13" deep corner wall case

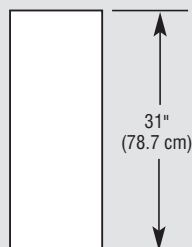


Top View – 16" deep corner wall case



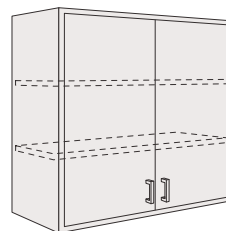
- Framed glass hinged door

13" (33.0 cm) Deep	16" (40.6 cm) Deep
724M2230	724M2260

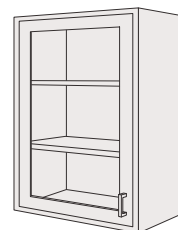
Wall Cases – 31" High with Two Shelves

Typical End View

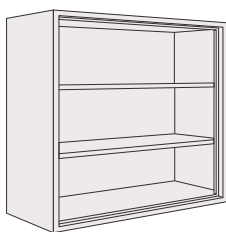
- Cases include soffit bottoms.
- Shelves are adjustable in 1/2" (1.3 cm) increments.
- Cases have integral finished backs and fixed hanger rails. Hanger rails may be omitted upon request.
- Standard without locks. Replace "0" with "L" in eighth position of product number to specify a unit with locks for doors. Locks must be specified on the Options Menu pages 10-15.
- See page 70 to order additional shelves.

Solid Swinging Door Cases

13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
706S5330	706S5360	30" (76.2 cm)
706S6330	706S6360	36" (91.4 cm)
706S7330	706S7360	42" (106.7 cm)
706S8330	706S8360	48" (121.9 cm)

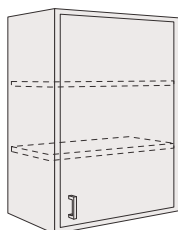
Framed Glass Swinging Door Cases

13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
Right-Hinged		
708S1330	708S1360	15" (38.1 cm)
708S2330	708S2360	18" (45.7 cm)
708S3330	708S3360	21" (53.3 cm)
708S4330	708S4360	24" (61.0 cm)
Left-Hinged		
709S1330	709S1360	15" (38.1 cm)
709S2330	709S2360	18" (45.7 cm)
709S3330	709S3360	21" (53.3 cm)
709S4330	709S4360	24" (61.0 cm)

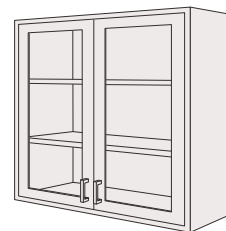
Open Cases

- Products beginning with 701 have three shelves

13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
700S1330	700S1360	15" (38.1 cm)
700S2330	700S2360	18" (45.7 cm)
—	701S2360	18" (45.7 cm)
700S3330	700S3360	21" (53.3 cm)
700S4330	700S4360	24" (61.0 cm)
—	701S4360	24" (61.0 cm)
700S5330	700S5360	30" (76.2 cm)
700S6330	700S6360	36" (91.4 cm)
—	701S6360	36" (91.4 cm)
700S7330	700S7360	42" (106.7 cm)
700S8330	700S8360	48" (121.9 cm)
—	701S8360	48" (121.9 cm)

Solid Swinging Door Cases

13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
Right-Hinged		
702S1330	702S1360	15" (38.1 cm)
702S2330	702S2360	18" (45.7 cm)
702S3330	702S3360	21" (53.3 cm)
702S4330	702S4360	24" (61.0 cm)
Left-Hinged		
703S1330	703S1360	15" (38.1 cm)
703S2330	703S2360	18" (45.7 cm)
703S3330	703S3360	21" (53.3 cm)
703S4330	703S4360	24" (61.0 cm)

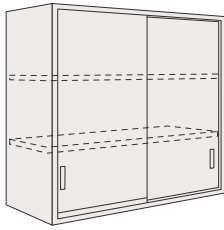


13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
712S5330	712S5360	30" (76.2 cm)
712S6330	712S6360	36" (91.4 cm)
712S7330	712S7360	42" (106.7 cm)
712S8330	712S8360	48" (121.9 cm)

Wall Cases

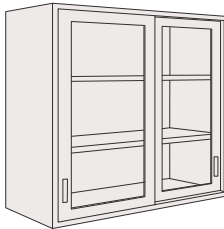
Wall Cases – 31" High With Two Shelves

Solid Sliding Door Cases



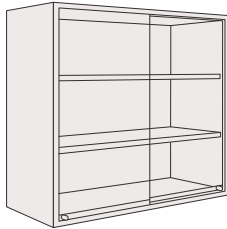
13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
Without Locks		
715S533M	715S536M	30" (76.2 cm)
715S633M	715S636M	36" (91.4 cm)
715S733M	715S736M	42" (106.7 cm)
715S833M	715S836M	48" (121.9 cm)
With Locks		
715S533H	715S536H	30" (76.2 cm)
715S633H	715S636H	36" (91.4 cm)
715S733H	715S736H	42" (106.7 cm)
715S833H	715S836H	48" (121.9 cm)

Framed Glass Sliding Door Cases



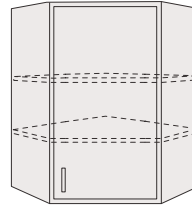
13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
Without Locks		
718S533M	718S536M	30" (76.2 cm)
718S633M	718S636M	36" (91.4 cm)
718S733M	718S736M	42" (106.7 cm)
718S833M	718S836M	48" (121.9 cm)
With Locks		
718S533H	718S536H	30" (76.2 cm)
718S633H	718S636H	36" (91.4 cm)
718S733H	718S736H	42" (106.7 cm)
718S833H	718S836H	48" (121.9 cm)

Unframed Sliding Glass Door Cases



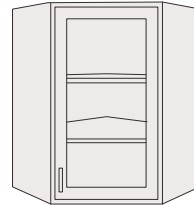
13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
722S5330	722S5360	30" (76.2 cm)
722S6330	722S6360	36" (91.4 cm)
722S7330	722S7360	42" (106.7 cm)
722S8330	722S8360	48" (121.9 cm)

Corner Cases



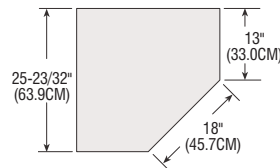
- Solid hinged door

13" (33.0 cm) Deep	16" (40.6 cm) Deep
723M2330	723M2360

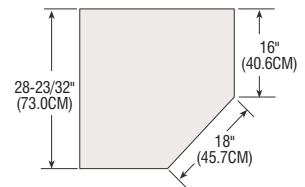


- Framed glass hinged door

13" (33.0 cm) Deep	16" (40.6 cm) Deep
724M2330	724M2360

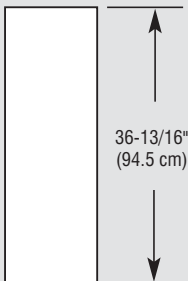


Top View - 13" deep corner wall case



Top View - 16" deep corner wall case

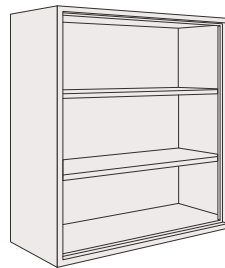
Wall Cases – 36-13/16" High with Two Shelves



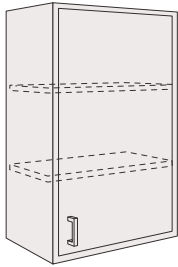
Typical End View

- Cases include soffit bottoms.
- Shelves are adjustable in 1/2" (1.3 cm) increments.
- Cases have integral finished backs.
- Standard without locks. Replace "0" with "L" in eighth position of product number to specify a unit with locks for doors. Locks must be specified on the Options Menu pages 10-15.
- See page 70 to order additional shelves.

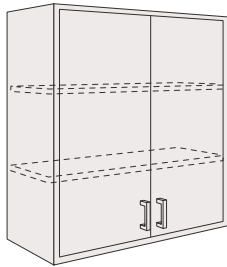
Open Cases



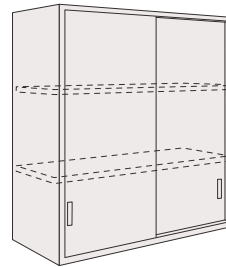
13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
700S1530	700S1560	15" (38.1 cm)
700S2530	700S2560	18" (45.7 cm)
700S3530	700S3560	21" (53.3 cm)
700S4530	700S4560	24" (61.0 cm)
700S5530	700S5560	30" (76.2 cm)
700S6530	700S6560	36" (91.4 cm)
700S7530	700S7560	42" (106.7 cm)
700S8530	700S8560	48" (121.9 cm)

Wall Cases**Wall Cases – 36-3/16" High With Two Shelves****Solid Swinging Door Cases**

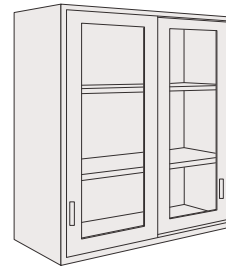
13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
Right-Hinged		
702S1530	702S1560	15" (38.1 cm)
702S2530	702S2560	18" (45.7 cm)
702S3530	702S3560	21" (53.3 cm)
702S4530	702S4560	24" (61.0 cm)
Left-Hinged		
703S1530	703S1560	15" (38.1 cm)
703S2530	703S2560	18" (45.7 cm)
703S3530	703S3560	21" (53.3 cm)
703S4530	703S4560	24" (61.0 cm)



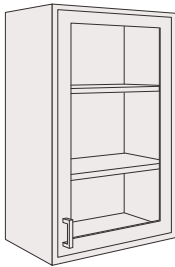
13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
706S5530	706S5560	30" (76.2 cm)
706S6530	706S6560	36" (91.4 cm)
706S7530	706S7560	42" (106.7 cm)
706S8530	706S8560	48" (121.9 cm)

Solid Sliding Door Cases

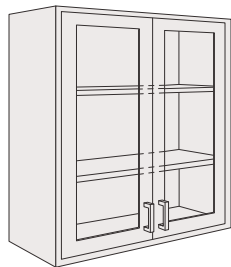
13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
Without Locks		
715S553M	715S556M	30" (76.2 cm)
715S653M	715S656M	36" (91.4 cm)
715S753M	715S756M	42" (106.7 cm)
715S853M	715S856M	48" (121.9 cm)
With Locks		
715S553H	715S556H	30" (76.2 cm)
715S653H	715S656H	36" (91.4 cm)
715S753H	715S756H	42" (106.7 cm)
715S853H	715S856H	48" (121.9 cm)

Framed Glass Sliding Door Cases

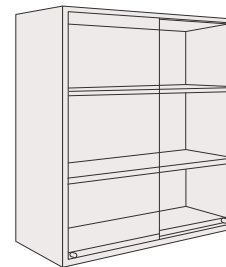
13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
Without Locks		
718S553M	718S556M	30" (76.2 cm)
718S653M	718S656M	36" (91.4 cm)
718S753M	718S756M	42" (106.7 cm)
718S853M	718S856M	48" (121.9 cm)
With Locks		
718S553H	718S556H	30" (76.2 cm)
718S653H	718S656H	36" (91.4 cm)
718S753H	718S756H	42" (106.7 cm)
718S853H	718S856H	48" (121.9 cm)

Framed Glass Swinging Door Cases

13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
Right-Hinged		
708S1530	708S1560	15" (38.1 cm)
708S2530	708S2560	18" (45.7 cm)
708S3530	708S3560	21" (53.3 cm)
708S4530	708S4560	24" (61.0 cm)
Left-Hinged		
709S1530	709S1560	15" (38.1 cm)
709S2530	709S2560	18" (45.7 cm)
709S3530	709S3560	21" (53.3 cm)
709S4530	709S4560	24" (61.0 cm)



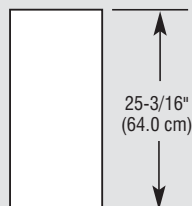
13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
712S5530	712S5560	30" (76.2 cm)
712S6530	712S6560	36" (91.4 cm)
712S7530	712S7560	42" (106.7 cm)
712S8530	712S8560	48" (121.9 cm)

Unframed Glass Sliding Door Cases

13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
722S5530	722S5560	30" (76.2 cm)
722S6530	722S6560	36" (91.4 cm)
722S7530	722S7560	42" (106.7 cm)
722S8530	722S8560	48" (121.9 cm)

Wall Cases

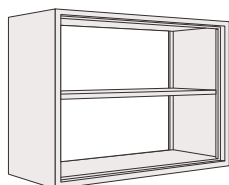
Double-Sided Wall Cases – 25-3/16" High With One Shelf



Typical End View

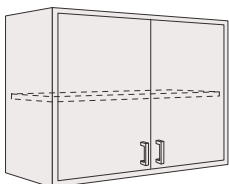
- Double-sided wall cases have doors on both front and back of case. Open cases are open front and back.
- Shelves adjustable in 1/2" (1.3 cm) increments.
- Standard without locks. Replace "0" with "L" in eighth position of the product number to specify a unit with locks for doors. Locks must be specified on the Options Menu pages 10-15.
- See page 70 to order additional shelves.

Open Cases



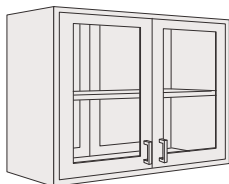
13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
730S5230	730S5260	30" (76.2 cm)
730S6230	730S6260	36" (91.4 cm)
730S7230	730S7260	42" (106.7 cm)
730S8230	730S8260	48" (121.9 cm)

Solid Swinging Door Cases



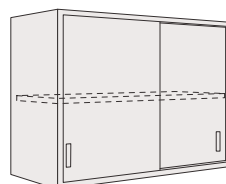
13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
729S5230	729S5260	30" (76.2 cm)
729S6230	729S6260	36" (91.4 cm)
729S7230	729S7260	42" (106.7 cm)
729S8230	729S8260	48" (121.9 cm)

Framed Glass Swinging Door Cases



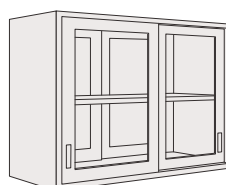
13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
726S5230	726S5260	30" (76.2 cm)
726S6230	726S6260	36" (91.4 cm)
726S7230	726S7260	42" (106.7 cm)
726S8230	726S8260	48" (121.9 cm)

Solid Sliding Door Cases



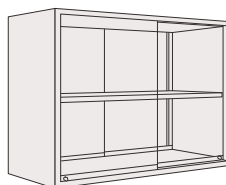
13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
Without Locks		
725S523M	725S526M	30" (76.2 cm)
725S623M	725S626M	36" (91.4 cm)
725S723M	725S726M	42" (106.7 cm)
725S823M	725S826M	48" (121.9 cm)
With Locks		
725S523H	725S526H	30" (76.2 cm)
725S623H	725S626H	36" (91.4 cm)
725S723H	725S726H	42" (106.7 cm)
725S823H	725S826H	48" (121.9 cm)

Framed Glass Sliding Door Cases



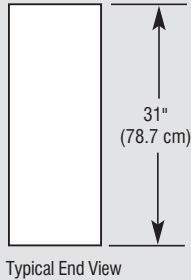
13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
Without Locks		
728S523M	728S526M	30" (76.2 cm)
728S623M	728S626M	36" (91.4 cm)
728S723M	728S726M	42" (106.7 cm)
728S823M	728S826M	48" (121.9 cm)
With Locks		
728S523H	728S526H	30" (76.2 cm)
728S623H	728S626H	36" (91.4 cm)
728S723H	728S726H	42" (106.7 cm)
728S823H	728S826H	48" (121.9 cm)

Unframed Glass Sliding Door Cases



13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
727S5230	727S5260	30" (76.2 cm)
727S6230	727S6260	36" (91.4 cm)
727S7230	727S7260	42" (106.7 cm)
727S8230	727S8260	48" (121.9 cm)

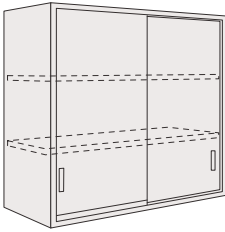
Double-Sided Wall Cases – 31" High With Two Shelves



Typical End View

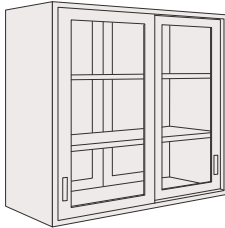
- Double-sided wall cases have doors on both front and back of case. Open cases are open front and back.
- Shelves adjustable in 1/2" (1.3 cm) increments.
- Standard without locks. Replace "0" with "L" in eighth position of the product number to specify a unit with locks for doors. Locks must be specified on the Options Menu pages 10-15.
- See page 70 to order additional shelves.

Solid Sliding Door Cases



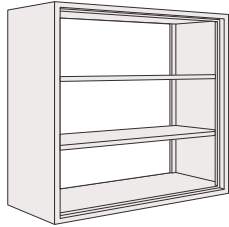
13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
Without Lock		
725S533M	725S536M	30" (76.2 cm)
725S633M	725S636M	36" (91.4 cm)
725S733M	725S736M	42" (106.7 cm)
725S833M	725S836M	48" (121.9 cm)
With Lock		
725S533H	725S536H	30" (76.2 cm)
725S633H	725S636H	36" (91.4 cm)
725S733H	725S736H	42" (106.7 cm)
725S833H	725S836H	48" (121.9 cm)

Framed Glass Sliding Door Cases



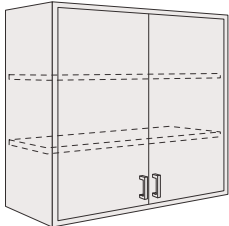
13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
Without Lock		
728S533M	728S536M	30" (76.2 cm)
728S633M	728S636M	36" (91.4 cm)
728S733M	728S736M	42" (106.7 cm)
728S833M	728S836M	48" (121.9 cm)
With Lock		
728S533H	728S536H	30" (76.2 cm)
728S633H	728S636H	36" (91.4 cm)
728S733H	728S736H	42" (106.7 cm)
728S833H	728S836H	48" (121.9 cm)

Open Cases



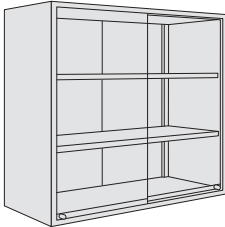
13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
730S5330	730S5360	30" (76.2 cm)
730S6330	730S6360	36" (91.4 cm)
730S7330	730S7360	42" (106.7 cm)
730S8330	730S8360	48" (121.9 cm)

Solid Swinging Door Cases



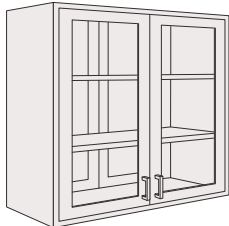
13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
729S5330	729S5360	30" (76.2 cm)
729S6330	729S6360	36" (91.4 cm)
729S7330	729S7360	42" (106.7 cm)
729S8330	729S8360	48" (121.9 cm)

Unframed Glass Sliding Door Cases



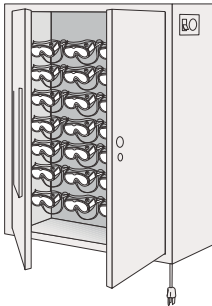
13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
727S5330	727S5360	30" (76.2 cm)
727S6330	727S6360	36" (91.4 cm)
727S7330	727S7360	42" (106.7 cm)
727S8330	727S8360	48" (121.9 cm)

Framed Glass Swinging Door Cases



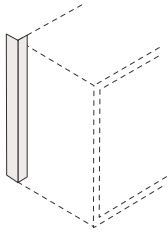
13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
726S5330	726S5360	30" (76.2 cm)
726S6330	726S6360	36" (91.4 cm)
726S7330	726S7360	42" (106.7 cm)
726S8330	726S8360	48" (121.9 cm)

Safety Goggle Control Center



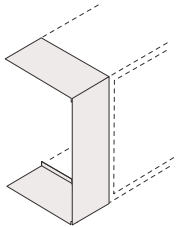
- Steel storage cabinet
- Capacity: 30 pairs of chemical splash goggles (goggles not included)
- Germicidal U.V. light with automatic timer to sanitize goggles
- Safety interlock switch turns off U.V. light when doors are opened
- 7' three-wire cord with grounding plug rated at 115 V, 60 Hz, 1 phase, 75 watts - exits from upper right corner of back (facing cabinet)
- Available in white finish only
- Dimensions: 24-1/2" (62.2 cm) Width, 9-1/2" (24.1 cm) Depth, 32" (81.3 cm) Height

Product No.
58L02110

Wall Cases**Filler Panels****Filler Panels**

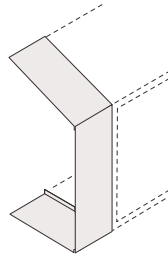
- Rear filler
- For wall cases adjacent to wall

Product No.	Width
For Cases 25-3/16" (64.0 cm) High	
618S0260	3/4" (1.9 cm)
For Cases 31" (78.7 cm) High	
618S0360	3/4" (1.9 cm)
For Cases 36-13/16" (93.5 cm) High	
618S0560	3/4" (1.9 cm)



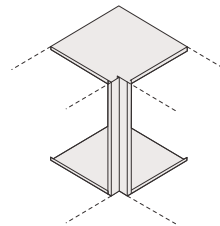
- Front filler panel
- For wall case (with level top) adjacent to wall or another wall case

13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
For Cases 25-3/16" (64.0 cm) High		
601M2230	601M2260	1" (2.5cm)
601M4230	601M4260	4" (10.2cm)
601M5230	601M5260	5" (12.7cm)
601M6230	601M6260	6" (15.2cm)
601M8230	601M8260	8" (20.3cm)
601M7230	601M7260	10" (25.4cm)
613M0230	613M0260	12" (30.5cm)
613M3230	613M3260	14" (35.6cm)
613M2230	613M2260	16" (40.6cm)
613M1230	613M1260	18" (45.7cm)
For Cases 31" (78.7 cm) High		
601M2330	601M2360	1" (2.5 cm)
601M4330	601M4360	4" (10.2cm)
601M5330	601M5360	5" (12.7cm)
601M6330	601M6360	6" (15.2cm)
601M8330	601M8360	8" (20.3cm)
601M7330	601M7360	10" (25.4cm)
613M0330	613M0360	12" (30.5cm)
613M3330	613M3360	14" (35.6cm)
613M2330	613M2360	16" (40.6cm)
613M1330	613M1360	18" (45.7cm)
For Cases 36-13/16" (93.5 cm) High		
601M2530	601M2560	1" (2.5 cm)
601M4530	601M4560	4" (10.2cm)
601M5530	601M5560	5" (12.7cm)
601M6530	601M6560	6" (15.2cm)
601M8530	601M8560	8" (20.3cm)
601M7530	601M7560	10" (25.4cm)
613M0530	613M0560	12" (30.5cm)
613M3530	613M3560	14" (35.6cm)
613M2530	613M2560	16" (40.6cm)
613M1530	613M1560	18" (45.7cm)



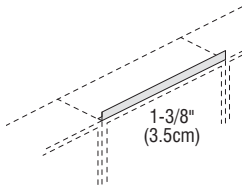
- Front filler panel with sloping top
- For wall case (with sloping top) adjacent to wall or another wall case

13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
For Cases 25-3/16" (64.0 cm) High		
602M2230	602M2260	1" (2.5cm)
602M4230	602M4260	4" (10.2cm)
602M5230	602M5260	5" (12.7cm)
602M6230	602M6260	6" (15.2cm)
602M8230	602M8260	8" (20.3cm)
602M7230	602M7260	10" (25.4cm)
602M0230	602M0260	12" (30.5cm)
612M4230	612M4260	14" (35.6cm)
612M6230	612M6260	16" (40.6cm)
612M8230	612M8260	18" (45.7cm)
For Cases 31" (78.7 cm) High		
602M2330	602M2360	1" (2.5 cm)
602M4330	602M4360	4" (10.2cm)
602M5330	602M5360	5" (12.7cm)
602M6330	602M6360	6" (15.2cm)
602M8330	602M8360	8" (20.3cm)
602M7330	602M7360	10" (25.4cm)
602M0330	602M0360	12" (30.5cm)
612M4330	612M4360	14" (35.6cm)
612M6330	612M6360	16" (40.6cm)
612M8330	612M8360	18" (45.7cm)
For Cases 36-13/16" (93.5 cm) High		
602M2530	602M2560	1" (2.5 cm)
602M4530	602M4560	4" (10.2cm)
602M5530	602M5560	5" (12.7cm)
602M6530	602M6560	6" (15.2cm)
602M8530	602M8560	8" (20.3cm)
602M7530	602M7560	10" (25.4cm)
602M0530	602M0560	12" (30.5cm)
612M4530	612M4560	14" (35.6cm)
612M6530	612M6560	16" (40.6cm)
612M8530	612M8560	18" (45.7cm)



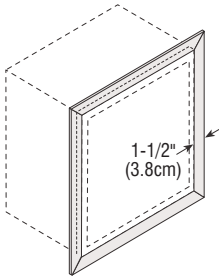
- Corner filler
- For wall cases joined at a right angle

13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
For Cases 25-3/16" (64.0 cm) High		
608M1230	608M1260	1" x 1" (2.5cm)
608M2230	608M2260	2" x 2" (5.1cm)
For Cases 31" (78.7 cm) High		
608M1330	608M1360	1" x 1" (2.5cm)
608M2330	608M2360	2" x 2" (5.1cm)
For Cases 36-13/16" (93.5 cm) High		
608M1530	608M1560	1" x 1" (2.5cm)
608M2530	608M2560	2" x 2" (5.1cm)

Scribes, Mounting Bracket, Finished Backs and Supports**Scribes**

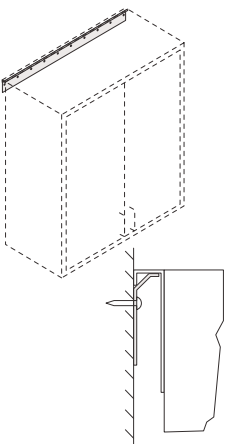
- Ceiling scribe
- For space between wall case and ceiling
- Width per order, maximum width 96" (243.8cm)

Product No.
618M0230



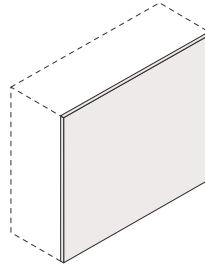
- Recessed scribe
- For recessed installation of wall case

Product No.	Fits Wall Case Width
For Wall Cases 25-3/16" (64.0cm) high	
617M0260	12" (30.5cm)
617M1260	15" (38.1cm)
617M2260	18" (45.7cm)
617M4260	24" (61.0cm)
617M5260	30" (76.2cm)
617M6260	36" (91.4cm)
617M7260	42" (106.7cm)
617M8260	48" (121.9cm)
For Wall Cases 31" (78.7cm) high	
617M0360	12" (30.5cm)
617M1360	15" (38.1cm)
617M2360	18" (45.7cm)
617M4360	24" (61.0cm)
617M5360	30" (76.2cm)
617M6360	36" (91.4cm)
617M7360	42" (106.7cm)
617M8360	48" (121.9cm)
For Wall Cases 36-13/16" (93.5cm) high	
617M0560	12" (30.5cm)
617M1560	15" (38.1cm)
617M2560	18" (45.7cm)
617M4560	24" (61.0cm)
617M5560	30" (76.2cm)
617M6560	36" (91.4cm)
617M7560	42" (106.7cm)
617M8560	48" (121.9cm)

Wall Case Mounting Bracket

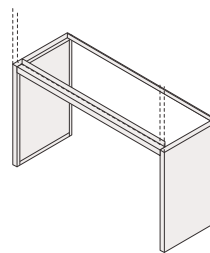
- 16 gauge steel mounting bracket
- Attach to wall
- Finish – Chameleon

Product No.	Fits Wall Case Width
531S0150	15" (38.1cm)
531S0180	18" (45.7cm)
531S0210	21" (53.3cm)
531S0240	24" (61.0cm)
531S0300	30" (76.2cm)
531S0360	36" (91.4cm)
531S0420	42" (106.7cm)
531S0480	48" (121.9cm)

Finished Backs

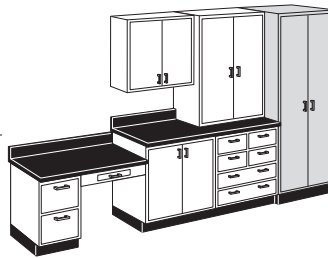
- Finished back for wall cases
- For use when wall case hanger is omitted

Product No.	Fits Wall Case Width
For Wall Cases 25-3/16" (64.0cm) high	
531M1510	15" (38.1cm)
531M1520	18" (45.7cm)
531M1530	21" (53.3cm)
531M1540	24" (61.0cm)
531M1550	30" (76.2cm)
531M1560	36" (91.4cm)
531M1570	42" (106.7cm)
531M1580	48" (121.9cm)
For Wall Cases 31" (78.7cm) high	
531M1610	15" (38.1cm)
531M1620	18" (45.7cm)
531M1630	21" (53.3cm)
531M1640	24" (61.0cm)
531M1650	30" (76.2cm)
531M1660	36" (91.4cm)
531M1670	42" (106.7cm)
531M1680	48" (121.9cm)
For Wall Cases 36-13/16" (93.5cm) high	
531M1710	15" (38.1cm)
531M1720	18" (45.7cm)
531M1730	21" (53.3cm)
531M1740	24" (61.0cm)
531M1750	30" (76.2cm)
531M1760	36" (91.4cm)
531M1770	42" (106.7cm)
531M1780	48" (121.9cm)

Supports

- Supports for double and single faced units

Product No.	Width
For Double-Faced Units, 12-1/4" (31.1 cm) Deep	
531S2830	30" (76.2 cm)
531S2840	36" (91.5 cm)
531S2850	42" (106.7 cm)
531S2860	48" (121.9 cm)
For Double-Faced Units, 15-1/4" (38.7 cm) Deep	
531S2870	30" (76.2 cm)
531S2880	36" (91.5 cm)
531S2890	42" (106.7 cm)
531S2900	48" (121.9 cm)
For Single-Faced Units, 12-1/4" (31.1 cm) Deep	
531S2910	30" (76.2 cm)
531S2920	36" (91.5 cm)
531S2930	42" (106.7 cm)
531S2940	48" (121.9 cm)
For Single-Faced Units, 15-1/4" (38.7 cm) Deep	
531S2960	30" (76.2 cm)
531S2970	36" (91.5 cm)
531S2980	42" (106.7 cm)
531S2990	48" (121.9 cm)



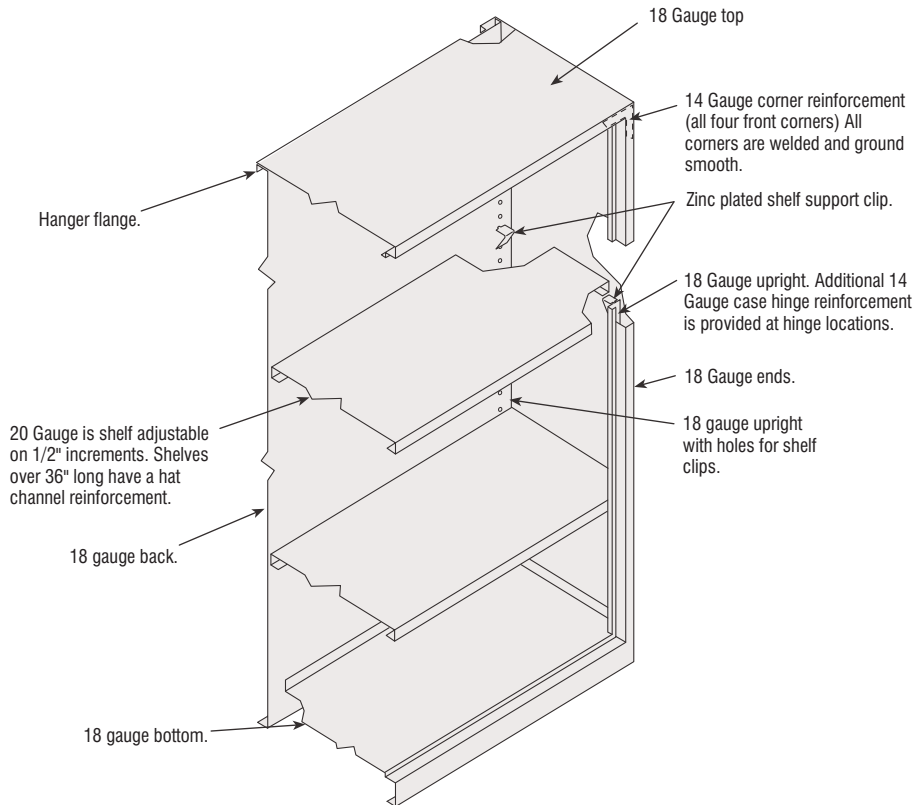
Upper Cases

Upper cases by Hamilton Scientific enhance the flexibility of your lab and provide attractive, spacious storage with convenient user access.

Upper cases are designed for placement directly on base cabinet work surfaces. The standard upper case height matches to the top of wall cases or tall cases when placed on a standing-height base cabinet.

Select from open front units or cases with sliding or swinging doors in solid, framed or unframed glass. Straight wall and corner units also are available.

Refer to the appropriate Hamilton Project Planning Guide (Industrial, for example) for assistance in choosing the optimum components for your lab.



Steel Doors:

- Doors are 20 gauge interior and 18 gauge exterior panels filled with sound deadening material. A 14 Gauge steel reinforcement is added at hinge locations and a 20 Gauge vertical reinforcement channel is included in each door.
- The roller catch is nylon-tired. When a lock is supplied with double doors, an elbow catch is used on the left-hand door.

Wood Doors:

- Doors are constructed with a 3/4" thick veneer clad particle board core with 3mm thick veneer edge banding.

Open Cases p. 58

Solid Swinging Door Cases . . . p. 58

Framed Glass Swinging Door Cases p. 58

Solid Sliding Door Cases p. 59

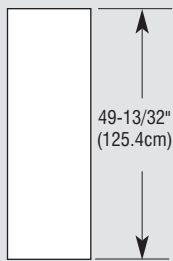
Framed Glass Sliding Door Cases p. 59

Unframed Glass Sliding Door Cases p. 59

Filler Panels & Scribes p. 60

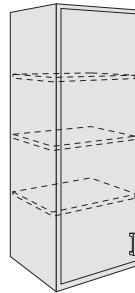
Finished Backs p. 60

Sloping Tops p. 71

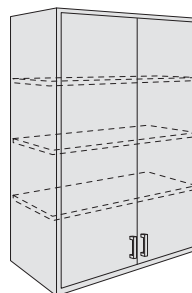
Upper Cases**Upper Cases – 49-13/32" High With Three Shelves**

Typical End View

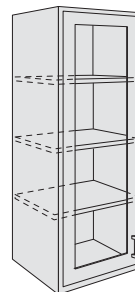
- Upper cases have three shelves.
- Shelves are adjustable in 1/2" (1.3 cm) increments.
- Shelves are 9-1/2" (24.1 cm) and 12-1/2" (31.8 cm) deep in sliding door wall cases, 10-1/4" (26.0 cm) and 13-1/4" (33.7 cm) deep in swinging door and open wall cases.
- See page 70 to order additional shelves.
- Note: Suffixes for product numbers are as follows (Replace "0" in eighth position of product number; locks must be specified on the Options Menu pages 10-15).
 - 0 = Unfinished bottoms (open cases)
 - B = Finished bottoms (open cases)
 - 0 = Without lock, unfinished bottoms (hinged doors)
 - L = With lock, unfinished bottoms (hinged doors)
 - B = Without lock, finished bottoms (hinged doors)
 - D = With lock, finished bottoms (hinged doors)
 - M = Without lock, unfinished bottoms (sliding doors)
 - H = With lock, unfinished bottoms (sliding doors)
 - B = Without lock, finished bottoms (sliding doors)
 - D = With lock, finished bottoms (sliding doors)

Solid Swinging Door Cases

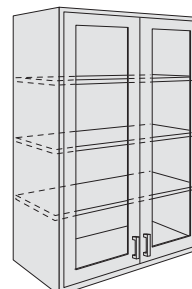
Product No.	Width
13" (33.0 cm) Deep, Right-Hinged	
702M2630	18" (45.7 cm)
702M4630	24" (61.0 cm)
16" (40.6 cm) Deep, Right-Hinged	
702M2660	18" (45.7 cm)
702M4660	24" (61.0 cm)
13" (33.0 cm) Deep, Left-Hinged	
703M2630	18" (45.7 cm)
703M4630	24" (61.0 cm)
16" (40.6 cm) Deep, Left-Hinged	
703M2660	18" (45.7 cm)
703M4660	24" (61.0 cm)



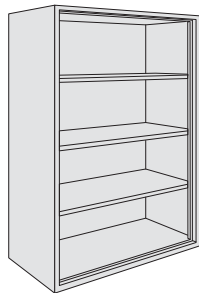
Product No.	Width
13" (33.0 cm) Deep	
706M5630	30" (76.2 cm)
706M6630	36" (91.4 cm)
706M7630	42" (106.7 cm)
706M8630	48" (121.9 cm)
16" (40.6 cm) Deep	
706M5660	30" (76.2 cm)
706M6660	36" (91.4 cm)
706M7660	42" (106.7 cm)
706M8660	48" (121.9 cm)

Framed Glass Swinging Door Cases

Product No.	Width
13" (33.0 cm) Deep, Right-Hinged	
708M2630	18" (45.7 cm)
708M4630	24" (61.0 cm)
16" (40.6 cm) Deep, Right-Hinged	
708M2660	18" (45.7 cm)
708M4660	24" (61.0 cm)
13" (33.0 cm) Deep, Left-Hinged	
709M2630	18" (45.7 cm)
709M4630	24" (61.0 cm)
16" (40.6 cm) Deep, Left-Hinged	
709M2660	18" (45.7 cm)
709M4660	24" (61.0 cm)

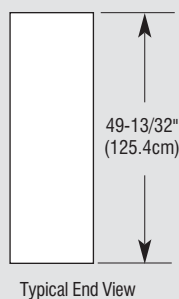


Product No.	Width
13" (33.0 cm) Deep	
712M5630	30" (76.2 cm)
712M6630	36" (91.4 cm)
712M7630	42" (106.7 cm)
712M8630	48" (121.9 cm)
16" (40.6 cm) Deep	
712M5660	30" (76.2 cm)
712M6660	36" (91.4 cm)
712M7660	42" (106.7 cm)
712M8660	48" (121.9 cm)

Open Cases

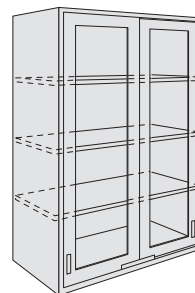
Product No.	Width
13" (33.0 cm) Deep	
700M2630	18" (45.7 cm)
700M4630	24" (61.0 cm)
700M5630	30" (76.2 cm)
700M6630	36" (91.4 cm)
700M7630	42" (106.7 cm)
700M8630	48" (121.9 cm)
16" (40.6 cm) Deep	
700M2660	18" (45.7 cm)
700M4660	24" (61.0 cm)
700M5660	30" (76.2 cm)
700M6660	36" (91.4 cm)
700M7660	42" (106.7 cm)
700M8660	48" (121.9 cm)

Counter-Mounted Upper Cases – 49-13/32" High With Three Shelves



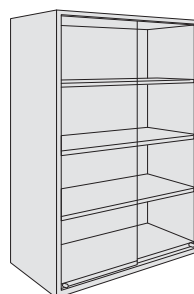
- Upper cases have three shelves.
- Shelves are adjustable in 1/2" (1.3 cm) increments.
- Shelves are 9-1/2" (24.1 cm) and 12-1/2" (31.8 cm) deep in sliding door wall cases, 10-1/4" (26.0 cm) and 13-1/4" (33.7 cm) deep in swinging door and open wall cases.
- See page 70 to order additional shelves.
- Note; Suffixes for product numbers are as follows (Replace "0" in eighth position of product number; locks must be specified on the Options Menu pages 10-15).
 - 0 = Unfinished bottoms (open cases)
 - B = Finished bottoms (open cases)
 - 0 = Without lock, unfinished bottoms (hinged doors)
 - L = With lock, unfinished bottoms (hinged doors)
 - B = Without lock, finished bottoms (hinged doors)
 - D = With lock, finished bottoms (hinged doors)
 - M = Without lock, unfinished bottoms (sliding doors)
 - H = With lock, unfinished bottoms (sliding doors)
 - B = Without lock, finished bottoms (sliding doors)
 - D = With lock, finished bottoms (sliding doors)

Framed Glass Sliding Door Cases



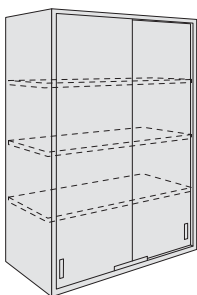
Product No.	Width
13" (33.0 cm) Deep Without Lock	
718M563M	30" (76.2 cm)
718M663M	36" (91.4 cm)
718M763M	42" (106.7 cm)
718M863M	48" (121.9 cm)
13" (33.0 cm) Deep With Lock	
718M563H	30" (76.2 cm)
718M663H	36" (91.4 cm)
718M763H	42" (106.7 cm)
718M863H	48" (121.9 cm)
16" (40.6 cm) Deep Without Lock	
718M566M	30" (76.2 cm)
718M666M	36" (91.4 cm)
718M766M	42" (106.7 cm)
718M866M	48" (121.9 cm)
16" (40.6 cm) Deep With Lock	
718M566H	30" (76.2 cm)
718M666H	36" (91.4 cm)
718M766H	42" (106.7 cm)
718M866H	48" (121.9 cm)

Unframed Glass Sliding Door Cases



Product No.	Width
13" (33.0 cm) Deep	
722M5630	30" (76.2 cm)
722M6630	36" (91.4 cm)
722M7630	42" (106.7 cm)
722M8630	48" (121.9 cm)
16" (40.6 cm) Deep	
722M5660	30" (76.2 cm)
722M6660	36" (91.4 cm)
722M7660	42" (106.7 cm)
722M8660	48" (121.9 cm)

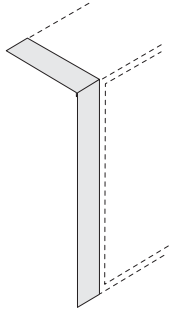
Solid Sliding Door Cases



Product No.	Width
13" (33.0 cm) Deep Without Lock	
715M563M	30" (76.2 cm)
715M663M	36" (91.4 cm)
715M763M	42" (106.7 cm)
715M863M	48" (121.9 cm)
13" (33.0 cm) Deep With Lock	
715M563H	30" (76.2 cm)
715M663H	36" (91.4 cm)
715M763H	42" (106.7 cm)
715M863H	48" (121.9 cm)
16" (40.6 cm) Deep Without Lock	
715M566M	30" (76.2 cm)
715M666M	36" (91.4 cm)
715M766M	42" (106.7 cm)
715M866M	48" (121.9 cm)
16" (40.6 cm) Deep With Lock	
715M566H	30" (76.2 cm)
715M666H	36" (91.4 cm)
715M766H	42" (106.7 cm)
715M866H	48" (121.9 cm)

Upper Cases**Fillers, Scribes and Finished Backs****Filler Panels and Scribes**

- Fillers and scribes can be cut to size in field.
- Concealed clips attach fillers to case.
- For cases 49-13/16" (126.5 cm) high.

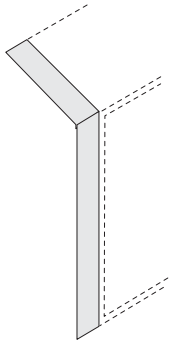


- End filler
- For upper case (with level top) adjacent to wall

13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
603M2630	603M2660	1" (2.5cm)
603M4630	603M4660	4" (10.2cm)
603M5630	603M5660	5" (12.7cm)
603M6630	603M6660	6" (15.2cm)
603M8630	603M8660	8" (20.3cm)
603M7630	603M7660	10" (25.4cm)
603M0630	603M0660	12" (30.5cm)
616M4630	616M4660	14" (35.6cm)
616M6630	616M6660	16" (40.6cm)
616M8630	616M8660	18" (45.7cm)

For Upper Cases with Finished Bottoms

603M263B	603M266B	1" (2.5cm)
603M463B	603M466B	4" (10.2cm)
603M563B	603M566B	5" (12.7cm)
603M663B	603M666B	6" (15.2cm)
603M863B	603M866B	8" (20.3cm)
603M763B	603M766B	10" (25.4cm)
603M063B	603M066B	12" (30.5cm)
616M463B	616M466B	14" (35.6cm)
616M663B	616M666B	16" (40.6cm)
616M863B	616M866B	18" (45.7cm)

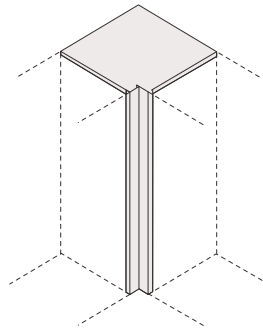


- End filler with sloping top
- For upper case (with sloping top) adjacent to wall

13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
604M2630	604M2660	1" (2.5cm)
604M4630	604M4660	4" (10.2cm)
604M5630	604M5660	5" (12.7cm)
604M6630	604M6660	6" (15.2cm)
604M8630	604M8660	8" (20.3cm)
604M7630	604M7660	10" (25.4cm)
604M0630	604M0660	12" (30.5cm)
614M4630	614M4660	14" (35.6cm)
614M6630	614M6660	16" (40.6cm)
614M8630	614M8660	18" (45.7cm)

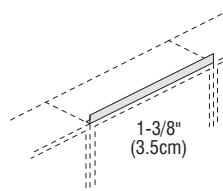
For Upper Cases with Finished Bottoms

604M263B	604M266B	1" (2.5cm)
604M463B	604M466B	4" (10.2cm)
604M563B	604M566B	5" (12.7cm)
604M663B	604M666B	6" (15.2cm)
604M863B	604M866B	8" (20.3cm)
604M763B	604M766B	10" (25.4cm)
604M063B	604M066B	12" (30.5cm)
614M463B	614M466B	14" (35.6cm)
614M663B	614M666B	16" (40.6cm)
614M863B	614M866B	18" (45.7cm)

Filler Panels and Scribes

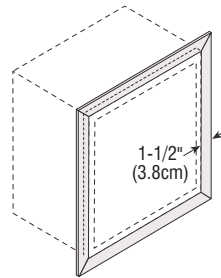
- Corner filler
- For upper cases joined at a right angle

Product No.	Width
13" (33.0 cm) Deep	
609M163	1" x 1" (2.5 x 2.5 cm)
609M263	2" x 2" (5.1 x 5.1 cm)
16" (40.6 cm) Deep	
609M166	1" x 1" (2.5 x 2.5 cm)
609M266	2" x 2" (5.1 x 5.1 cm)



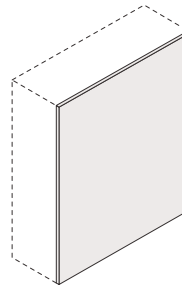
- Ceiling scribe
- For space between upper case and ceiling
- Length per order, maximum length 96" (243.8cm)

Product No.
618M0230



- Recessed scribe
- For recessed installation of upper case

Product No.	Fits Upper Case	Width
617M0660	12"	(30.5cm)
617M1660	15"	(38.1cm)
617M2660	18"	(45.7cm)
617M4660	24"	(61.0cm)
617M5660	30"	(76.2cm)
617M6660	36"	(91.4cm)
617M7660	42"	(106.7cm)
617M8660	48"	(121.9cm)

Finished Backs

- 48" (121.9 cm) wide upper case has centered vertical seam on finished back

Product No.	Width
531M1810	15" (38.1 cm)
531M1820	18" (45.7 cm)
531M1840	24" (61.0 cm)
531M1850	30" (76.2 cm)
531M1860	36" (91.4 cm)
531M1870	42" (106.7 cm)
531M1880	48" (121.9 cm)



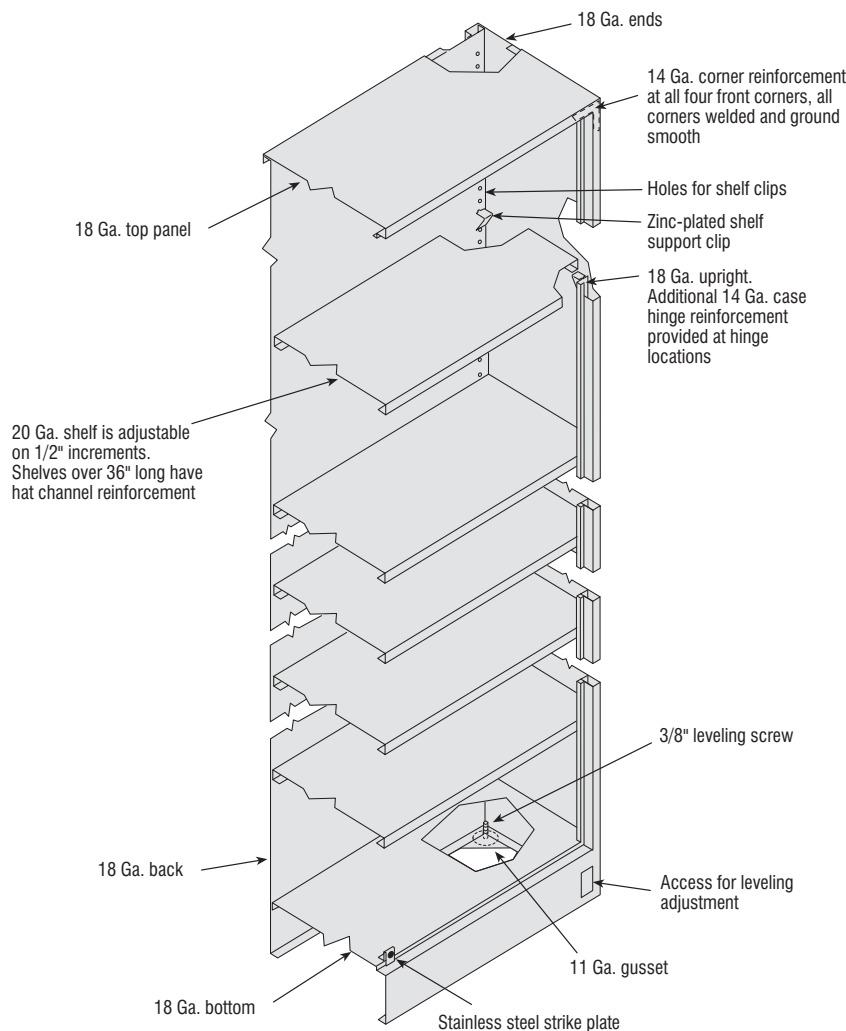
Tall Cases

Tall Cases maximize vertical storage space. Available in a variety of widths and depths, tall cases are available without doors or with sliding or swinging doors in solid, framed or unframed glass.

Instrument cases, film storage cabinets and wardrobe cases also are available for the special storage needs in your laboratory.

Note: It is recommended that tall cases be attached to a structural support or wall blocking/ground.

Refer to the appropriate Hamilton Project Planning Guide (Industrial, for example) for assistance in choosing the optimum components for your lab.



Steel Doors:

- Doors feature 20 gauge interior and 18 gauge exterior panels filled with sound deadening material. A 14 Gauge steel reinforcement is added at hinge locations and a 20 Gauge vertical reinforcement channel is included in each door.
- Nylon roller catch. When lock is supplied with double doors, a new easy-to-use centrally located elbow catch mechanism is used on the left-hand door.

Wood Doors:

- Doors are constructed with a 3/4" thick veneer clad particle board core with 3mm thick veneer edge banding.

Open Cases p. 62

Solid Swinging Door Cases p. 62

Framed Glass Swinging Door Cases p. 63

Solid Sliding Door Cases p. 63

Framed Glass Sliding Door Cases p. 63

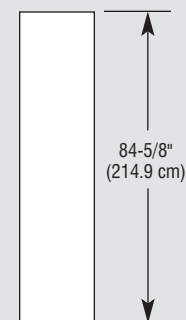
Specialty Cases p. 64–67

Filler Panels and Scribes p. 68

Finished Backs p. 68

Sloping Tops p. 71

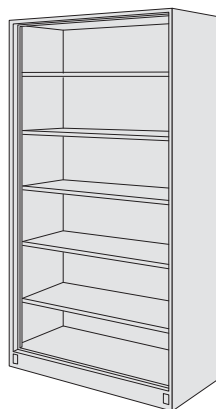
Tall Cases – 84-5/8" High



Typical End View

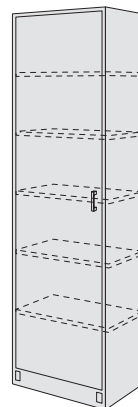
- Cases have five shelves.
- Shelves adjustable in 1/2" (1.3 cm) increments.
- See page 70 to order additional shelves.
- When installing tall cases under soffits, a minimum height of 85-1/2" (217.2cm) is required from the finished floor to finished soffit.
- Units are standard without locks. Replace the "0" with an "L" in the eighth position of product number to specify a unit with locks for doors. Locks must be specified on the Options Menu pages 10-15.

Open Cases

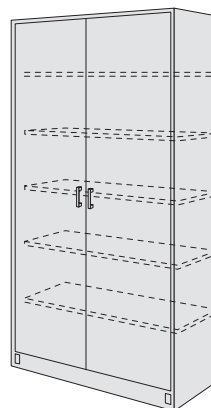


Product No.	Width
13" (33.0 cm) Deep	
800S2930	18" (45.7 cm)
800S4930	24" (61.0 cm)
800S5930	30" (76.2 cm)
800S6930	36" (91.4 cm)
800S7930	42" (106.7 cm)
800S8930	48" (121.9 cm)
16" (40.6 cm) Deep	
800S2960	18" (45.7 cm)
800S4960	24" (61.0 cm)
800S5960	30" (76.2 cm)
800S6960	36" (91.4 cm)
800S7960	42" (106.7 cm)
800S8960	48" (121.9 cm)
19" (48.3 cm) Deep	
800S2990	18" (45.7 cm)
800S4990	24" (61.0 cm)
800S5990	30" (76.2 cm)
800S6990	36" (91.4 cm)
800S7990	42" (106.7 cm)
800S8990	48" (121.9 cm)
22" (55.9 cm) Deep	
800S2920	18" (45.7 cm)
800S4920	24" (61.0 cm)
800S5920	30" (76.2 cm)
800S6920	36" (91.4 cm)
800S7920	42" (106.7 cm)
800S8920	48" (121.9 cm)

Solid Swinging Door Cases



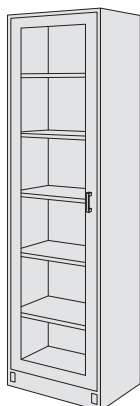
Product No.	Width
13" (33.0 cm) Deep	
Right-Hinged	
802S2930	18" (45.7 cm)
802S4930	24" (61.0 cm)
Left-Hinged (shown)	
803S2930	18" (45.7 cm)
803S4930	24" (61.0 cm)
16" (40.6 cm) Deep	
Right-Hinged	
802S2960	18" (45.7 cm)
802S4960	24" (61.0 cm)
Left-Hinged (shown)	
803S2960	18" (45.7 cm)
803S4960	24" (61.0 cm)
19" (48.3 cm) Deep	
Right-Hinged	
802S2990	18" (45.7 cm)
802S4990	24" (61.0 cm)
Left-Hinged (shown)	
803S2990	18" (45.7 cm)
803S4990	24" (61.0 cm)
22" (55.9 cm) Deep	
Right-Hinged	
802S2920	18" (45.7 cm)
802S4920	24" (61.0 cm)
Left-Hinged (shown)	
803S2920	18" (45.7 cm)
803S4920	24" (61.0 cm)



Product No.	Width
13" (33.0 cm) Deep	
806S5930	30" (76.2 cm)
806S6930	36" (91.4 cm)
806S7930	42" (106.7 cm)
806S8930	48" (121.9 cm)
16" (40.6 cm) Deep	
806S5960	30" (76.2 cm)
806S6960	36" (91.4 cm)
806S7960	42" (106.7 cm)
806S8960	48" (121.9 cm)
19" (48.3 cm) Deep	
806S5990	30" (76.2 cm)
806S6990	36" (91.4 cm)
806S7990	42" (106.7 cm)
806S8990	48" (121.9 cm)
22" (55.9 cm) Deep	
806S5920	30" (76.2 cm)
806S6920	36" (91.4 cm)
806S7920	42" (106.7 cm)
806S8920	48" (121.9 cm)

Tall Cases – 84-5/8" High

Framed Glass Swing Door Cases

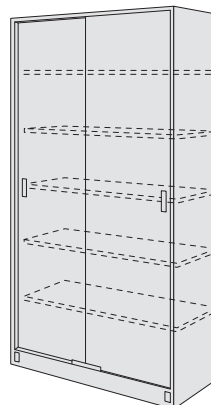


Product No.	Width
13" (33.0 cm) Deep	
Right-Hinged	
808S2930	18" (45.7 cm)
808S4930	24" (61.0 cm)
Left-Hinged (shown)	
809S2930	18" (45.7 cm)
809S4930	24" (61.0 cm)
16" (40.6 cm) Deep	
Right-Hinged	
808S2960	18" (45.7 cm)
808S4960	24" (61.0 cm)
Left-Hinged (shown)	
809S2960	18" (45.7 cm)
809S4960	24" (61.0 cm)
19" (48.3 cm) Deep	
Right-Hinged	
808S2990	18" (45.7 cm)
808S4990	24" (61.0 cm)
Left-Hinged (shown)	
809S2990	18" (45.7 cm)
809S4990	24" (61.0 cm)
22" (55.9 cm) Deep	
Right-Hinged	
808S2920	18" (45.7 cm)
808S4920	24" (61.0 cm)
Left-Hinged (shown)	
809S2920	18" (45.7 cm)
809S4920	24" (61.0 cm)



Product No.	Width
13" (33.0 cm) Deep	
812S5930	30" (76.2 cm)
812S6930	36" (91.4 cm)
812S7930	42" (106.7 cm)
812S8930	48" (121.9 cm)
16" (40.6 cm) Deep	
812S5960	30" (76.2 cm)
812S6960	36" (91.4 cm)
812S7960	42" (106.7 cm)
812S8960	48" (121.9 cm)
19" (48.3 cm) Deep	
812S5990	30" (76.2 cm)
812S6990	36" (91.4 cm)
812S7990	42" (106.7 cm)
812S8990	48" (121.9 cm)
22" (55.9 cm) Deep	
812S5920	30" (76.2 cm)
812S6920	36" (91.4 cm)
812S7920	42" (106.7 cm)
812S8920	48" (121.9 cm)

Solid Sliding Door Cases



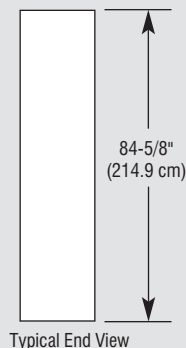
13" (33.0 cm) Deep	16" (40.6 cm) Deep	19" (48.3 cm) Deep	22" (55.9 cm) Deep	Width
Without Locks				
815S593M	815S596M	815S599M	815S592M	30" (76.2 cm)
815S693M	815S696M	815S699M	815S692M	36" (91.4 cm)
815S793M	815S796M	815S799M	815S792M	42" (106.7 cm)
815S893M	815S896M	815S899M	815S892M	48" (121.9 cm)
With Locks				
815S593H	815S596H	815S599H	815S592H	30" (76.2 cm)
815S693H	815S696H	815S699H	815S692H	36" (91.4 cm)
815S793H	815S796H	815S799H	815S792H	42" (106.7 cm)
815S893H	815S896H	815S899H	815S892H	48" (121.9 cm)

Framed Glass Sliding Door Cases



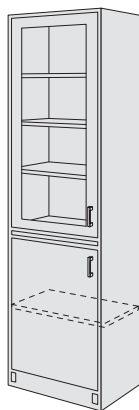
13" (33.0 cm) Deep	16" (40.6 cm) Deep	19" (48.3 cm) Deep	22" (55.9 cm) Deep	Width
Without Locks				
818S593M	818S596M	818S599M	818S592M	30" (76.2 cm)
818S693M	818S696M	818S699M	818S692M	36" (91.4 cm)
818S793M	818S796M	818S799M	818S792M	42" (106.7 cm)
818S893M	818S896M	818S899M	818S892M	48" (121.9 cm)
With Locks				
818S593H	818S596H	818S599H	818S592H	30" (76.2 cm)
818S693H	818S696H	818S699H	818S692H	36" (91.4 cm)
818S793H	818S796H	818S799H	818S792H	42" (106.7 cm)
818S893H	818S896H	818S899H	818S892H	48" (121.9 cm)

Specialty Tall Cases – 84-5/8" High



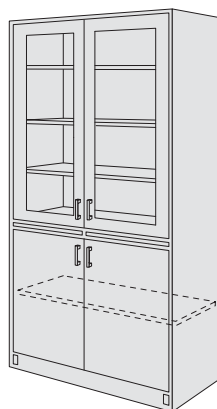
- Cases have five shelves.
- Shelves adjustable in 1/2" (1.3 cm) increments.
- See page 70 to order additional shelves.
- When installing tall cases under soffits, a minimum height of 85-1/2" (217.2cm) is required from the finished floor to finished soffit.
- Units are standard without locks. Replace the "0" with an "L" in the eighth position of product number to specify a unit with locks for doors. Locks must be specified on the Options Menu pages 10-15.

Instrument Cases



- Upper – framed glass hinged door, three shelves
- Lower – solid hinged door, one shelf
- Stainless steel pullboard

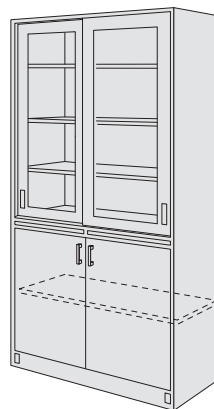
16" (40.6 cm) Deep	22" (55.9 cm) Deep	Width
Right-Hinged Doors		
844S4960	844S4920	24" (61.0 cm)
Left-Hinged Doors		
845S4960	845S4920	24"(61.0 cm)



- Upper – framed glass hinged double doors, three shelves
- Lower – solid hinged double doors, one shelf
- Two stainless steel pullboards

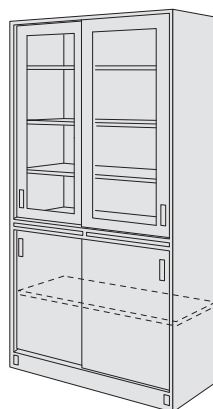
Product No.	Width
13" (33.0 cm) Deep	
848S5930	30" (76.2 cm)
848S6930	36" (91.4 cm)
848S7930	42" (106.7 cm)
848S8930	48" (121.9 cm)
16" (40.6 cm) Deep	
848S5960	30" (76.2 cm)
848S6960	36" (91.4 cm)
848S7960	42" (106.7 cm)
848S8960	48" (121.9 cm)
22" (55.9 cm) Deep	
848S5920	30" (76.2 cm)
848S6920	36" (91.4 cm)
848S7920	42" (106.7 cm)
848S8920	48" (121.9 cm)

Instrument Cases (continued)



- Upper – framed glass sliding double doors, three shelves
- Lower – solid hinged double doors, one shelf
- Two stainless steel pullboards

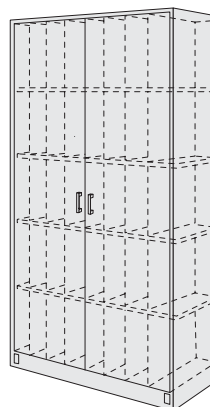
Product No.	Width
13" (33.0 cm) Deep	
851S5930	30" (76.2 cm)
851S6930	36" (91.4 cm)
851S7930	42" (106.7 cm)
851S8930	48" (121.9 cm)
16" (40.6 cm) Deep	
851S5960	30" (76.2 cm)
851S6960	36" (91.4 cm)
851S7960	42" (106.7 cm)
851S8960	48" (121.9 cm)
22" (55.9 cm) Deep	
851S5920	30" (76.2 cm)
851S6920	36" (91.4 cm)
851S7920	42" (106.7 cm)
851S8920	48" (121.9 cm)



- Upper – framed glass sliding double doors, three shelves
- Lower – solid double sliding doors, one shelf
- Two stainless steel pullboards

Product No.	Width
13" (33.0 cm) Deep	
854S5930	30" (76.2 cm)
854S6930	36" (91.4 cm)
854S7930	42" (106.7 cm)
854S8930	48" (121.9 cm)
16" (40.6 cm) Deep	
854S5960	30" (76.2 cm)
854S6960	36" (91.4 cm)
854S7960	42" (106.7 cm)
854S8960	48" (121.9 cm)
22" (55.9 cm) Deep	
854S5920	30" (76.2 cm)
854S6920	36" (91.4 cm)
854S7920	42" (106.7 cm)
854S8920	48" (121.9 cm)

Film Storage Cabinet

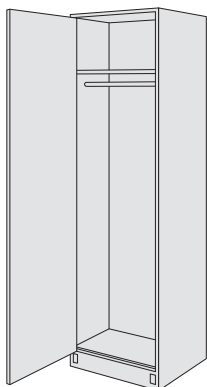


- For inactive film
- 22" (55.9 cm) deep outside, 20-3/8" (51.8 cm) deep inside
- Four horizontal shelves
- Adjustable vertical dividers

Product No.	No. of Compart.	Width
Single Door, Right-Hinged		
950S6450	20	24" (61.0 cm)
Double Doors		
950S6460	25	30" (76.2 cm)
950S6470	30	36" (91.4 cm)
950S6480	35	42" (106.7 cm)
950S6490	40	48" (121.9 cm)

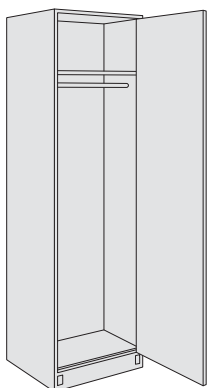
Specialty Tall Cases – 84-5/8" High

Wardrobe Cases



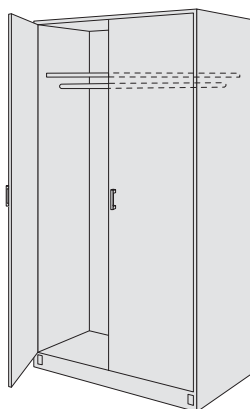
- Solid hinged single door
- Stationary shelf
- Clothes hanger
- 22" (55.9 cm) deep

Product No.	Width
Right-Hinged	
900S0920	12" (30.5 cm)
900S1920	15" (38.1 cm)
900S2920	18" (45.7 cm)
900S3920	21" (53.3 cm)
900S4920	24" (61.0 cm)
Left-Hinged	
901S0920	12" (30.5 cm)
901S1920	15" (38.1 cm)
901S2920	18" (45.7 cm)
901S3920	21" (53.3 cm)
901S4920	24" (61.0 cm)



- Solid right-hinged single door
- Adjustable shelf with attached clothes rod
- 22" (55.9 cm) deep

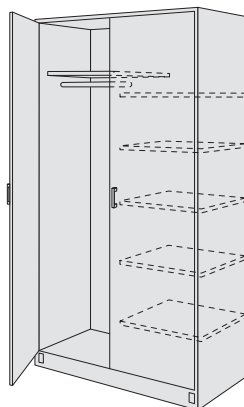
Product No.	Width
Right-Hinged	
950S2800	24" (61.0 cm)



- Solid hinged double doors
- Adjustable shelf with attached clothes rod
- 22" (55.9 cm) deep

Product No.	Width
950S2810	36" (91.5 cm)
950S2820	48" (121.9 cm)

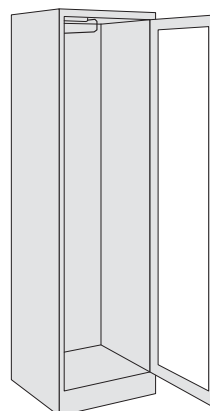
Wardrobe Cases



- Solid hinged double doors
- Adjustable shelf with attached clothes rod at left side, 5 adjustable shelves at right side
- 22" (55.9 cm) deep

Product No.	Width
950S2830	36" (91.5 cm)
950S2840	48" (121.9 cm)

Skeleton Storage Cases



- Framed glass right-hinged door
- Pull-out carrier
- 16" (40.6 cm) deep

Product No.	Width
950S2610	24" (61.0 cm)

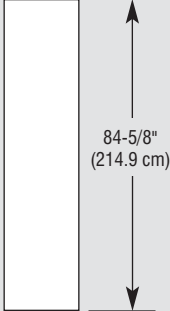
Torso Storage Cases



- Framed glass right-hinged door
- Three adjustable shelves
- 16" (40.6 cm) deep

Product No.	Width
950S2620	24" (61.0 cm)

Specialty Tall Cases – 84-5/8" High

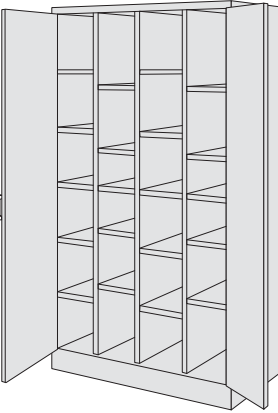


Typical End View

84-5/8"
(214.9 cm)

- Shelves adjustable in 1/2" (1.3 cm) increments.
- 7/32" (6 mm) float glass used in doors with glass.
- When installing tall cases under soffits, a minimum height of 85-1/2" (217.2cm) is required from finished floor to finished soffit.
- Units are standard without locks. Replace the "0" with an "L" in the eighth position of product number to specify a unit with locks for doors. Locks must be specified on the Options Menu pages 10-15.

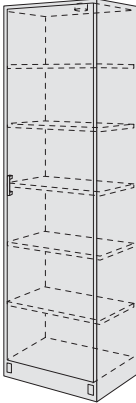
Tall Apparatus Storage Cases



- Solid hinged double doors
- Four vertical compartments with five adjustable shelves each
- 48" (121.9 cm) width

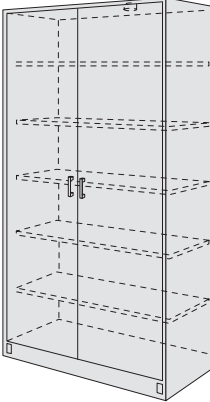
Product No.	Depth
950S2870	16" (40.6 cm)
950S2880	22" (55.9 cm)

Reagent Storage Cases



- Solid right-hinged door
- Five adjustable Resisto-Roc lined shelves
- 3" (7.6 cm) diameter vent at top
- 16" (40.6 cm) deep

Product No.	Width
950S2300	24" (61.0 cm)

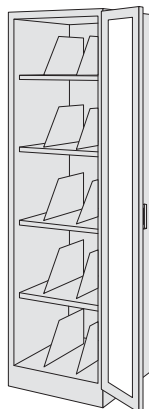


- Solid hinged double doors
- Five adjustable Resisto-Roc lined shelves
- 3" (7.6 cm) diameter vent at top
- 16" (40.6 cm) deep

Product No.	Width
950S2330	36" (91.5 cm)
950S2350	48" (121.9 cm)

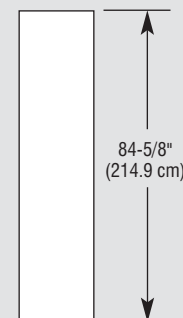
Specialty Tall Cases – 84-5/8" High

Microscope Storage Cases



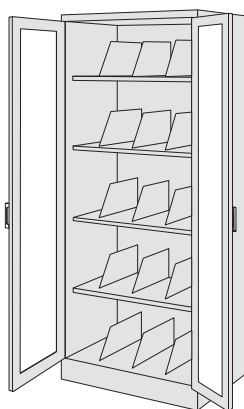
- Framed glass right-hinged door
- 15 compartments
- 16" (40.6 cm) deep

Product No.	Width
950S2910	24" (61.0 cm)



Typical End View

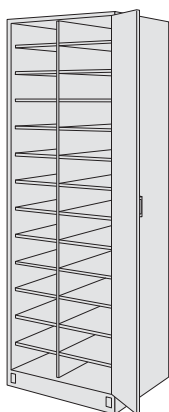
- Shelves adjustable in 1/2" (1.3 cm) increments.
- 7/32" (6 mm) float glass used in doors with glass.
- When installing tall cases under soffits, a minimum height of 85-1/2" (217.2cm) is required from finished floor to finished soffit.
- Units are **standard with locks**.



- Framed glass hinged double doors
- 20 compartments in 36" wide case and 30 compartments in 48" wide case
- 16" (40.6 cm) deep

Product No.	Width
950S2970	36" (91.5 cm)
950S2980	48" (121.9 cm)

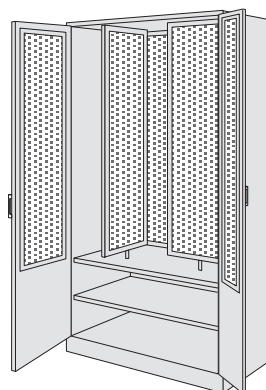
Herbarium Storage Cases



- Solid hinged door
- Two vertical compartments with twelve adjustable shelves each
- 22" (40.6 cm) deep

Product No.	Width
Right-Hinged (shown) 950S6610	30" (76.2 cm)
Left-Hinged 950S6630	30" (76.2 cm)

Tool Storage Cases



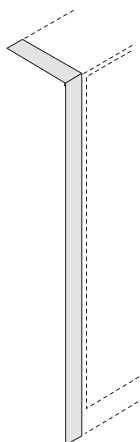
- Solid hinged double doors
- One adjustable shelf at bottom
- One pegboard on inside of each swinging door, one pegboard on inside back and two rotating pegboards
- 22" (55.9 cm) deep

Product No.	Width
950S2680	48" (121.9 cm)

Filler Panels and Scribes, Finished Backs

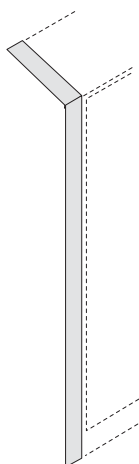
- Fillers and scribes can be cut to size in field.
- Concealed clips attach fillers and scribes to case.
- For cases 84-5/8" (215 cm) high.
- Fillers and scribes for tall cases can be used on the right or left side.

Filler Panels and Scribes



- End filler
- For tall case (with level top) adjacent to wall

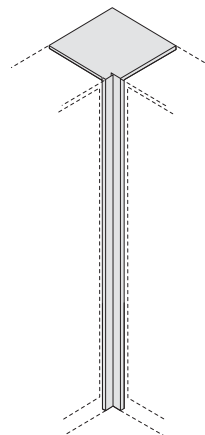
Product No.	Width
13" (33.0 cm) Deep	
605S2930	1" (2.5 cm)
605S6930	6" (15.2 cm)
16" (40.6 cm) Deep	
605S2960	1" (2.5 cm)
605S6960	6" (15.2 cm)
19" (48.3 cm) Deep	
605S2990	1" (2.5 cm)
605S6990	6" (15.2 cm)
22" (55.9 cm) Deep	
605S2920	1" (2.5 cm)
605S6920	6" (15.2 cm)



- End filler with sloping top
- For tall case adjacent to wall

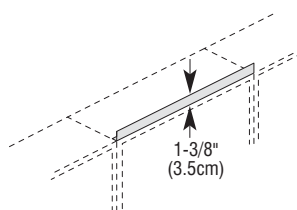
Product No.	Width
13" (33.0 cm) Deep	
606S2930	1" (2.5 cm)
606S6930	6" (15.2 cm)
16" (40.6 cm) Deep	
606S2960	1" (2.5 cm)
606S6960	6" (15.2 cm)
19" (48.3 cm) Deep	
606S2990	1" (2.5 cm)
606S6990	6" (15.2 cm)
22" (55.9 cm) Deep	
606S2920	1" (2.5 cm)
606S6920	6" (15.2 cm)

Filler Panels and Scribes



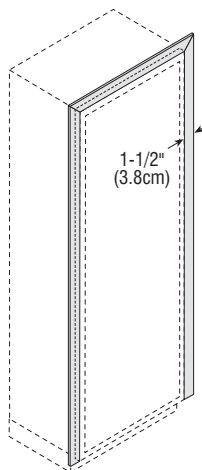
- Corner filler
- For tall cases joined at a right angle

Product No.	Width
13" (33.0 cm) Deep	
610S1930	1" x 1" (2.5 x 2.5 cm)
610S2930	2" x 2" (5.1 x 5.1 cm)
16" (40.6 cm) Deep	
610S1960	1" x 1" (2.5 x 2.5 cm)
610S2960	2" x 2" (5.1 x 5.1 cm)
19" (48.3 cm) Deep	
610S1990	1" x 1" (2.5 x 2.5 cm)
610S2990	2" x 2" (5.1 x 5.1 cm)
22" (55.9 cm) Deep	
610S1920	1" x 1" (2.5 x 2.5 cm)
610S2920	2" x 2" (5.1 x 5.1 cm)



- Ceiling scribe
- For space between tall case and ceiling
- Length per order, maximum length 96" (243.8cm)

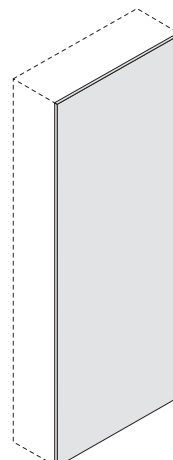
Product No.
618M0230



- Recessed scribe
- For recessed installation of tall case

Product No.	Fits Tall Case Width
617M0920	12" (30.5cm)
617M1920	15" (38.1cm)
617M2920	18" (45.7cm)
617M4920	24" (61.0cm)
617M5920	30" (76.2cm)
617M6920	36" (91.4cm)
617M7920	42" (106.7cm)
617M8920	48" (121.9cm)
617M9920	60" (152.4cm)
	For two 30" wide tall cases

Finished Backs



- 48" (121.9 cm) wide tall case has centered vertical seam on finished back

Product No.	Width
531M1910	15" (38.1 cm)
531M1920	18" (45.7 cm)
531M1930	21" (53.3 cm)
531M1940	24" (61 cm)
531M1950	30" (76.2 cm)
531M1960	36" (91.5 cm)
531M1970	42" (106.7 cm)
531M1980	48" (121.9 cm)

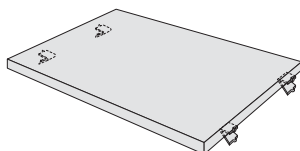
Cabinet/Case Accessories

Case accessories include extra shelves, a selection of ceiling scribes, enclosures and sloping tops for Inset Steel cases.

Shelving p. 70

**Ceiling Scribes,
Enclosures, Sloping Tops** p. 71



Cabinet/Case Accessories**Shelving****Adjustable Shelves**

- Includes four mounting clips per shelf

13" (33.0 cm) Deep	16" (40.6 cm) Deep	Width
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For wall cases

Open Cases, Swinging Doors and
Unframed Sliding Glass Doors

531S8110	531S8410	15" (38.1cm)
531S8120	531S8420	18" (45.7cm)
531S8130	531S8430	21" (53.3cm)
531S8140	531S8440	24" (61.0cm)
531S8150	531S8450	30" (76.2cm)
531S8160	531S8460	36" (91.4cm)
531S8170	531S8470	42" (106.7cm)
531S8180	531S8480	48" (121.9cm)

Sliding Doors

531S9150	531S9450	30" (76.2cm)
531S9160	531S9460	36" (91.4cm)
531S9170	531S9470	42" (106.7cm)
531S9180	531S9480	48" (121.9cm)

For upper cases

Swinging Doors and Unframed Sliding
Glass Doors

531S8310	531S8610	15" (38.1cm)
531S8320	531S8620	18" (45.7cm)
531S8330	531S8630	21" (53.3cm)
531S8340	531S8640	24" (61.0cm)
531S8350	531S8650	30" (76.2cm)
531S8360	531S8660	36" (91.4cm)
531S8370	531S8670	42" (106.7cm)
531S8380	531S8680	48" (121.9cm)

Sliding Doors

531S9350	531S9650	30" (76.2cm)
531S9360	531S9660	36" (91.4cm)
531S9370	531S9670	42" (106.7cm)
531S9380	531S9680	48" (121.9cm)

For tall cases

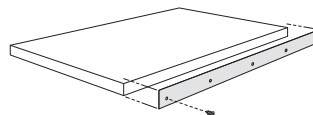
13" (33.0 cm) Deep	16" (40.6 cm) Deep	19" (48.2 cm) Deep	22" (55.9 cm) Deep	Width
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Open Cases, Swinging Doors and Unframed Sliding Glass Doors

531S8310	531S8610	531S8910	531S8210	15" (38.1 cm)
531S8320	531S8620	531S8920	531S8220	18" (45.7 cm)
531S8330	531S8630	531S8930	531S8230	21" (53.3 cm)
531S8340	531S8640	531S8940	531S8240	24" (61.0 cm)
531S8350	531S8650	531S8950	531S8250	30" (76.2 cm)
531S8360	531S8660	531S8960	531S8260	36" (91.4 cm)
531S8370	531S8670	531S8970	531S8270	42" (106.7 cm)
531S8380	531S8680	531S8980	531S8280	48" (121.9 cm)

Sliding Doors

531S9350	531S9650	531S9950	531S9250	30" (76.2 cm)
531S9360	531S9660	531S9960	531S9260	36" (91.4 cm)
531S9370	531S9670	531S9970	531S9270	42" (106.7 cm)
531S9380	531S9680	531S9980	531S9280	48" (121.9 cm)

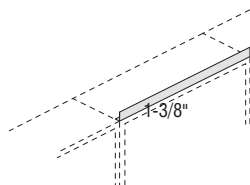
Shelf Retaining Lip

- For installation on the front edge of steel shelves in base cabinets, wall, upper and tall cases
- 1/8" thick X 1-1/4" high clear Plexiglass
- Field installed

Product No.	Width
531S3910	15" (38.1 cm)
531S3920	18" (45.7 cm)
531S3930	21" (53.3 cm)
531S3940	24" (61.0 cm)
531S3950	30" (76.2 cm)
531S3960	36" (91.4 cm)
531S3970	42" (106.7 cm)
531S3980	48" (121.9 cm)

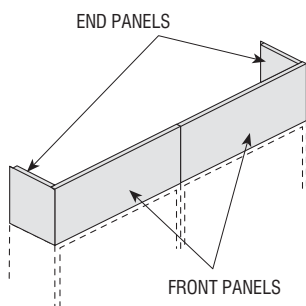
Cabinet/Case Accessories**Ceiling Scribes, Enclosures and Sloping tops**

- Can be cut to size during installation.
- Concealed clips attach scribes or enclosure panels to case.
- Fillers and scribes for tall cases can be used on the right or left side.

Ceiling Scribes

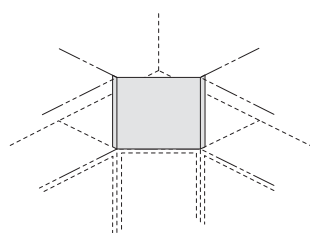
- Ceiling scribe
- To enclose small or irregular space between top of case and ceiling
- 1-3/8" (3.5 cm) high maximum

Product No.	Width
618M0230	96" (243.8 cm)

Ceiling Enclosures

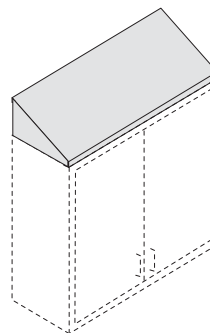
- Ceiling enclosure panels
- To enclose space between top of case and ceiling

Product No.	Height
End Panel 13" (33.0 cm) Wide	
615M0130	12" (30.5 cm)
615M1130	24" (61.0 cm)
End Panel 16" (40.6 cm) Wide	
615M0160	12" (30.5 cm)
615M1160	24" (61.0 cm)
End Panel 19" (48.3 cm) Wide	
615M0190	12" (30.5 cm)
615M1190	24" (61.0 cm)
End Panel 22" (55.9 cm) Wide	
615M0220	12" (30.5 cm)
615M1220	24" (61.0 cm)
Front Panel 36" (91.4 cm) Wide	
615M0360	12" (30.5 cm)
615M1360	24" (61.0 cm)
Front Panel 48" (121.9 cm) Wide	
615M0480	12" (30.5 cm)
615M1480	24" (61.0 cm)



- Corner ceiling enclosure panel
- To enclose space between top of case and ceiling at corner

Product No.	Width
12" (30.5 cm) High	
615M0180	18" (45.7 cm)
24" (61.0 cm) High	
615M1180	18" (45.7 cm)

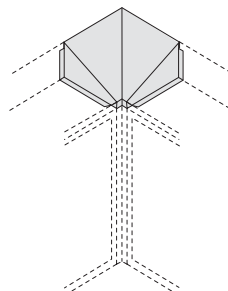
Sloping Tops

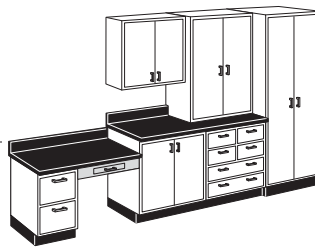
- Sloping top

Product No.	Width
13" (33.0 cm) Deep, 6-1/4" (15.9 cm) High	
532M1010	12" (30.5 cm)
532M1020	15" (38.1 cm)
532M1030	18" (45.7 cm)
532M1040	21" (53.3 cm)
532M1050	24" (61.0 cm)
532M1060	30" (76.2 cm)
532M1070	36" (91.5 cm)
532M1080	42" (106.7 cm)
532M1090	48" (121.9 cm)
532M1110	60" (152.4 cm)
532M1130	72" (182.8 cm)
532M1140	84" (213.4 cm)
532M1150	96" (243.8 cm)
16" (40.6 cm) Deep, 7-1/2" (19.1 cm) High	
533M101	12" (30.5 cm)
533M1020	15" (38.1 cm)
533M1030	18" (45.7 cm)
533M1050	24" (61.0 cm)
533M1060	30" (76.2 cm)
533M1070	36" (91.4 cm)
533M1080	42" (106.7 cm)
533M1090	48" (121.9 cm)
533M1110	60" (152.4 cm)
533M1130	72" (182.8 cm)
533M1140	84" (213.4 cm)
533M1150	96" (243.8 cm)
19" (48.3 cm) Deep, 8-3/4" (22.2 cm) High	
534M1010	12" (30.5 cm)
534M1020	15" (38.1 cm)
534M1030	18" (45.7 cm)
534M1040	21" (53.3 cm)
534M1050	24" (61.0 cm)
534M1060	30" (76.2 cm)
534M1070	36" (91.4 cm)
534M1080	42" (106.7 cm)
534M1090	48" (121.9 cm)
534M1110	60" (152.4 cm)
534M1130	72" (182.8 cm)
534M1140	84" (213.4 cm)
534M1150	96" (243.8 cm)
22" (55.9 cm) Deep, 10" (25.4 cm) High	
535M1010	12" (30.5 cm)
535M1020	15" (38.1 cm)
535M1030	18" (45.7 cm)
535M1040	21" (53.3 cm)
535M1050	24" (61.0 cm)
535M1060	30" (76.2 cm)
535M1070	36" (91.4 cm)
535M1080	42" (106.7 cm)
535M1090	48" (121.9 cm)
535M1110	60" (152.4 cm)
535M1130	72" (182.8 cm)
535M1140	84" (213.4 cm)
535M1150	96" (243.8 cm)

- Corner sloping top

Product No.	Width
6-1/4" (15.9 cm) High	
531M1060	14" (35.5 cm)
7-1/2" (19.1 cm) High	
531M1070	17" 43.1 cm)
8-3/4" (22.2 cm) High	
531M1080	20" (50.8 cm)
10" (25.4 cm) High	
531M1090	23" (58.4 cm)





Utility Tables and Carts

Hamilton Scientific steel tables are built for superior strength and durability.

Balance tables are designed to reduce shock and vibration, and are available in a variety of sizes and work surfaces.

General Purpose Tables p. 74

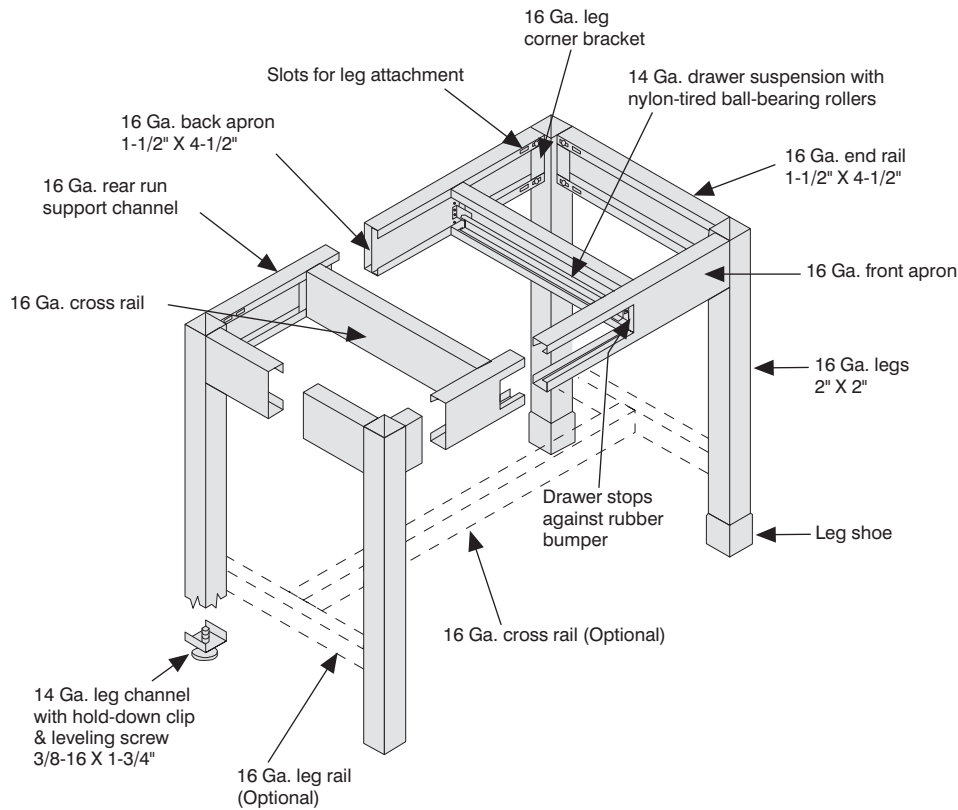
Balance Tables p. 75

Drawer Frames p. 76

Leg Assemblies p. 77

Table Components p. 77-78

Mobile Carts p. 78

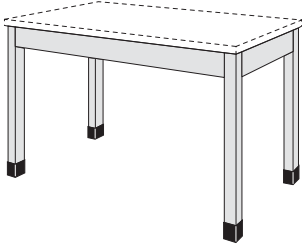


Utility Tables and Carts

General Purpose Table Frames

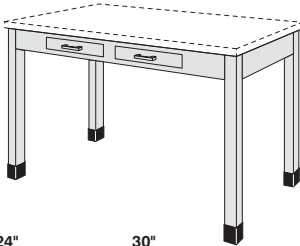
- Add the suffix "L" to end of product number to specify locks for drawers.
- Work surfaces must be ordered separately. Refer to page 103 to specify work surfaces.
- Leg rails and stretchers must be ordered separately, see p. 77.

Table Frames without Drawers



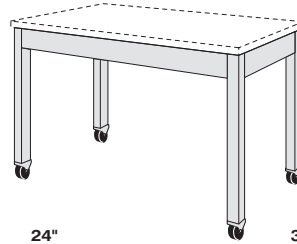
24" (61.0 cm) Deep	30" (76.2 cm) Deep	42" (106.7 cm) Deep	48" (121.9 cm) Deep	Width
30" (76.2 cm) high				
950S3010	950S3020	—	—	30" (76.2 cm)
950S3030	950S3040	—	—	36" (91.4 cm)
950S3050	950S3060	950S3070	—	42" (106.7 cm)
950S3080	950S3090	950S3100	950S3110	48" (121.9 cm)
950S3120	950S3130	950S3140	950S3150	54" (137.2 cm)
950S3160	950S3170	950S3180	950S3190	60" (152.4 cm)
950S3200	950S3210	950S3220	950S3230	66" (167.6 cm)
950S3240	950S3250	950S3260	950S3270	72" (182.9 cm)
36" (91.4 cm) high				
950S3510	950S3520	—	—	30" (76.2 cm)
950S3530	950S3540	—	—	36" (91.4 cm)
950S3550	950S3560	950S3570	—	42" (106.7 cm)
950S3580	950S3590	950S3600	950S3610	48" (121.9 cm)
950S3620	950S3630	950S3640	950S3650	54" (137.2 cm)
950S3660	950S3670	950S3680	950S3690	60" (152.4 cm)
950S3700	950S3710	950S3720	950S3730	66" (167.6 cm)
950S3740	950S3750	950S3760	950S3770	72" (182.9 cm)

Table Frames with Drawers



24" (61.0 cm) Deep	30" (76.2 cm) Deep	Width	No. of Drawers
30" (76.2 cm) high			
950S3280	950S3290	30" (76.2 cm)	1
950S3300	950S3310	36" (91.4 cm)	1
950S3320	950S3330	42" (106.7 cm)	2
950S3340	950S3350	48" (121.9 cm)	2
950S3360	950S3370	54" (137.2 cm)	2
950S3380	950S3390	60" (152.4 cm)	2
950S3400	950S3410	66" (167.6 cm)	3
950S3420	950S3430	72" (182.9 cm)	3
36" (91.4 cm) high			
950S3780	950S3790	30" (76.2 cm)	1
950S3800	950S3810	36" (91.4 cm)	1
950S3820	950S3830	42" (106.7 cm)	2
950S3840	950S3850	48" (121.9 cm)	2
950S3860	950S3870	54" (137.2 cm)	2
950S3880	950S3890	60" (152.4 cm)	2
950S3900	950S3910	66" (167.6 cm)	3
950S3920	950S3930	72" (182.9 cm)	3

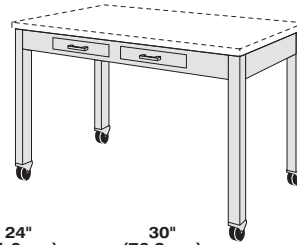
Table Frames with Casters, without Drawers



- 36-7/32" (92 cm) high
- Without drawers
- Load capacity 300 pounds

24" (61.0 cm) Deep	30" (76.2 cm) Deep	Width
950S4530	950S4540	36" (91.4 cm)
950S4580	950S4590	48" (121.9 cm)
950S4660	950S4670	60" (152.4 cm)
950S4740	950S4750	72" (182.9 cm)

Table Frames with Casters, with Drawers



- 36-7/32" (92 cm) high
- With drawers
- Load capacity 300 pounds

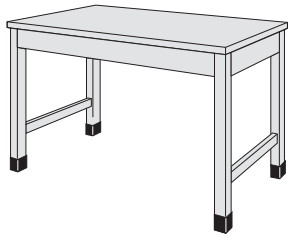
24" (61.0 cm) Deep	30" (76.2 cm) Deep	Width	No. of Drawers
950S4800	950S4810	36" (91.4 cm)	1
950S4840	950S4850	48" (121.9 cm)	2
950S4880	950S4890	60" (152.4 cm)	2
950S4920	950S4930	72" (182.9 cm)	3

Utility Tables and Carts

Balance Tables

- All balance tables are 24" (61.0 cm) deep.
- Available on extended delivery only, except epoxy resin slab balance table, which is available on standard delivery.
- Drawers are standard without locks. Add a "L" to the eighth position of the product number to specify locks for drawers.

Standard Balance Tables



- Standard balance table, 30" (76.2 cm) high
- Top provides a smooth surface to reduce shock and vibration
- Top material is 1-1/4" (3.2 cm) thick white epoxy resin

Prod. No.	Width
957S1090	36" (91.4 cm)
957S1100	48" (121.9 cm)
957S1110	60" (152.4 cm)
957S1120	72" (182.9 cm)

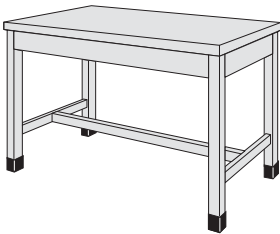
Universal Balance Tables



- Universal balance table, 30" (76.2 cm) high
- Top provides a smooth surface to reduce shock and vibration
- Top material is 1-1/4" (3.2 cm) thick white epoxy resin
- Table 36" (91.4 cm) wide has one drawer; 48" (121.9 cm) and 60" (152.4 cm) wide tables have two drawers; 72" (182.9 cm) wide table has three drawers and a stretcher rail

Prod. No.	Width
957S1170	36" (91.4 cm)
957S1180	48" (121.9 cm)
957S1190	60" (152.4 cm)
957S1200	72" (182.9 cm)

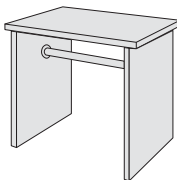
Master Balance Tables



- Master balance table, 30" (76.2 cm) high
- For critical balance procedures
- Top mounted on shock and vibration absorbing insulators
- Top material is 2-1/2" (6.4 cm) thick white epoxy resin

Prod. No.	Width
950S1530	36" (91.4 cm)
950S1540	48" (121.9 cm)
950S1550	60" (152.4 cm)

Slab Balance Tables



- Slab balance table is 35" (88.9 cm) wide
- 2-1/4" thick side and 3" top slabs
- Tubular steel brace
- Bolts and nuts are included

Prod. No.	Height
White Marble 950S6830	31" (78.7 cm)
Imperial Stone 950S6840	30" (76.2 cm)
Black Epoxy Resin 950S6850	31" (78.7 cm)

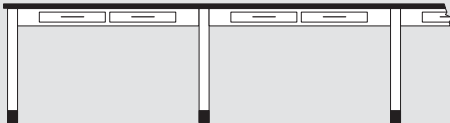
Table Frames

Hamilton Scientific offers several types of table frames. Choose the following type that is appropriate for your application:

Support Between Two Pairs of Table Legs

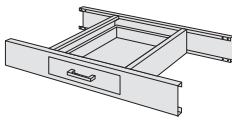


Support Between Multiple Pairs of Legs



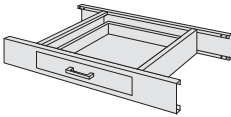
- Attachment hardware is included.
- Drawers come standard without locks. Add a “L” to the eighth position of the product number to specify locks for drawers.

Drawer Frames



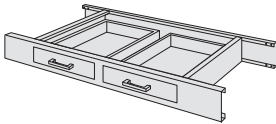
- Use for a knee space or table frame
- One standard drawer
- Combination frame and drawer to support a top suspended between two base cabinets or a base cabinet and the wall

21-1/2" (54.6 cm) Deep	28" (71.1 cm) Deep	Width
501S2210	501S2810	24" (61.0 cm)
501S2220	501S2820	30" (76.2 cm)
501S2230	501S2830	36" (91.4 cm)



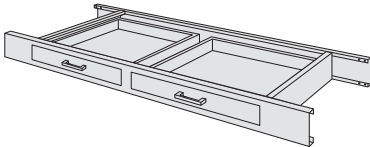
- Use for a knee space or table frame
- Drawer frame with large drawer

21-1/2" (54.6 cm) Deep	28" (71.1 cm) Deep	Width
501S4230	501S4830	36" (91.4 cm)
501S4240	501S4840	42" (106.7 cm)
501S4250	501S4850	48" (121.9 cm)
501S4260	501S4860	54" (137.2 cm)
501S4270	501S4870	60" (152.4 cm)



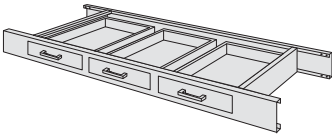
- Use for a knee space or table frame
- Two standard drawers

21-1/2" (54.6 cm) Deep	28" (71.1 cm) Deep	Width
502S2200	502S2800	36" (91.4 cm)
502S2210	502S2810	42" (106.7 cm)
502S2220	502S2820	48" (121.9 cm)
502S2230	502S2830	54" (137.1 cm)



- Use for a knee space or table frame
- Combination frame and drawer to support a top suspended between two base units or a base unit and the wall
- Two large drawers

21-1/2" (55.9 cm) Deep	28" (71.1 cm) Deep	Width
502S4250	502S4850	66" (167.6 cm)
502S4260	502S4860	72" (182.9 cm)

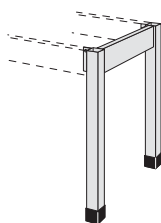


- Use for a knee space or table frame
- Three standard drawers

21-1/2" (54.6 cm) Deep	28" (71.1 cm) Deep	Width
503S2210	503S2810	60" (152.4 cm)
503S2220	503S2820	66" (167.6 cm)
503S2230	503S2830	72" (182.9 cm)

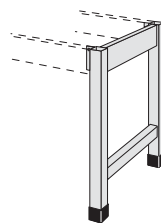
- Legs include adjustable leveler glides and vinyl leg shoes on legs.
- Attachment hardware is included.

End Leg Assemblies



- Double leg assembly to provide support at either end of table frame

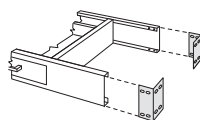
Prod. No.	Height
21-5/8" (54.9 cm) Deep	
522S3010	29" (73.7 cm)
522S3610	35" (88.9 cm)
28" (71.1 cm) Deep	
522S3020	29" (73.7 cm)
522S3620	35" (88.9 cm)
34" (86.4 cm) Deep	
522S3050	29" (73.7 cm)
522S3650	35" (88.9 cm)
40" (101.6 cm) Deep	
522S3030	29" (73.7 cm)
522S3630	35" (88.9 cm)
46" (116.8 cm) Deep	
522S3040	29" (73.7 cm)
522S3640	35" (88.9 cm)



- Double leg assembly to provide support at either end of table frame
- Crossrail provides additional rigidity to leg unit and is required for stretcher rail installation

Prod. No.	Height
21-5/8" (54.9 cm) Deep	
522S4010	29" (73.7 cm)
522S4610	35" (88.9 cm)
28" (71.1 cm) Deep	
522S4020	29" (73.7 cm)
522S4620	35" (88.9 cm)
34" (86.4 cm) Deep	
522S4050	29" (73.7 cm)
522S4650	35" (88.9 cm)
40" (101.6 cm) Deep	
522S4030	29" (73.7 cm)
522S4630	35" (88.9 cm)
46" (116.8 cm) Deep	
522S4040	29" (73.7 cm)
522S4640	35" (88.9 cm)

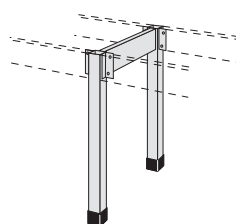
End Angles



- Brackets used to attach a drawer frame to an adjacent cabinet for stability
- Used in pairs, one attaching at the front on the side, the other at the rear on the side

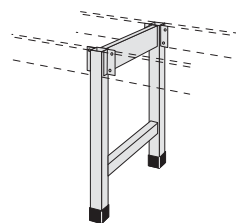
Prod. No. (Pair)	Height
527S2000	2" (5.1 cm)
527S4000	4-1/2" (11.4 cm)

Center Leg Assemblies



- Double leg assembly to provide support at center of table frame

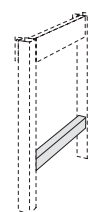
Prod. No.	Height
21-5/8" (54.9 cm) Deep	
523S3010	29" (73.7 cm)
523S3610	35" (88.9 cm)
28" (71.1 cm) Deep	
523S3020	29" (73.7 cm)
523S3620	35" (88.9 cm)
34" (86.4 cm) Deep	
523S3050	29" (73.7 cm)
523S3650	35" (88.9 cm)
40" (101.6 cm) Deep	
523S3030	29" (73.7 cm)
523S3630	35" (88.9 cm)
46" (116.8 cm) Deep	
523S3040	29" (73.7 cm)
523S3640	35" (88.9 cm)



- Double leg assembly to provide support at center of table frame

Prod. No.	Height
21-5/8" (54.9 cm) Deep	
523S4010	29" (73.7 cm)
523S4610	35" (88.9 cm)
28" (71.1 cm) Deep	
523S4020	29" (73.7 cm)
523S4620	35" (88.9 cm)
34" (86.4 cm) Deep	
523S4050	29" (73.7 cm)
523S4650	35" (88.9 cm)
40" (101.6 cm) Deep	
523S4030	29" (73.7 cm)
523S4630	35" (88.9 cm)
46" (116.8 cm) Deep	
523S4040	29" (73.7 cm)
523S4640	35" (88.9 cm)

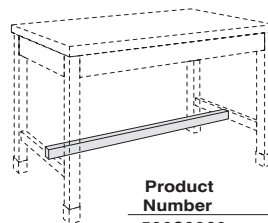
Leg Rails



- Crossrail adds rigidity to leg unit and is required for stretcher rail installation

Prod. No.	Width of Leg Unit
529S2200	21-5/8" (55.9 cm)
529S2800	28" (71.1 cm)
529S3400	34" (86.4 cm)
529S4000	40" (101.6 cm)
529S4600	46" (116.8 cm)

Leg Stretcher



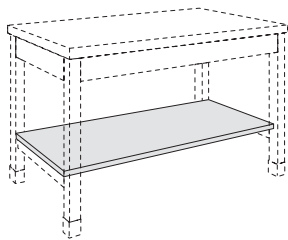
- Leg stretcher
- Crossbar between two pairs of table legs to give table added stability (requires optional leg crossrails)
- Attachment hardware included

Product Number	Stretcher Length	Table Top Width
530S3360	30-5/32" (76.6 cm)	36" (91.4 cm)
530S3480	42-5/32" (107.1 cm)	48" (121.9 cm)
530S3600	54-5/32" (137.6 cm)	60" (152.4 cm)
530S3720	66-5/32" (168.0 cm)	72" (182.9 cm)

Utility Tables and Carts

General Purpose Table Frames

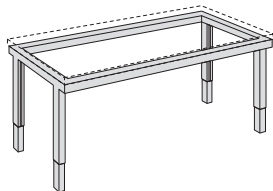
Utility Table Shelf



- Reinforced shelf for utility table
- Shelf provides extra storage beneath table top
- Attachment hardware included

Prod. No.	Top Width
17-1/2" (44.4 cm) Deep	
530S2360	36" (91.4 cm)
530S2480	48" (121.9 cm)
530S2600	60" (152.4 cm)
530S2720	72" (182.9 cm)
23-7/8" (59.7 cm) Deep	
530S8360	36" (91.4 cm)
530S8480	48" (121.9 cm)
530S8600	60" (152.4 cm)
530S8720	72" (182.9 cm)

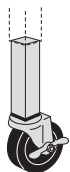
Four-Leg Adjustable-Height Table Frames with Levelers



- Height-adjustable from 28" (71.1 cm) to 37-3/8" (94.9 cm).
- Accepts suspended cabinets for storage.
- Optional storage shelf available.
- Load rating – 600 pounds.
- Refer to Core and/or Panel Assembly Guidelines, page ?? and ??, for maximum load ratings of support structure assemblies.
- Space available for cabinetry equals table width less 6" (15.2cm).

Prod. No.	Width	Prod. No.	Width
23" (58.4 cm) Deep			
250H3240L	24" (61.0 cm)	250H9240L	24" (61.0 cm)
250H3330L	30" (76.2 cm)	250H9300L	30" (76.2 cm)
250H3360L	36" (91.4 cm)	250H9360L	36" (91.4 cm)
250H3480L	48" (121.9 cm)	250H9480L	48" (121.9 cm)
250H3600L	60" (152.4 cm)	250H9600L	60" (152.4 cm)
250H3720L	72" (182.9 cm)	250H9720L	72" (182.9 cm)

Caster Kit for Four-Leg Adjustable-Height Table Frames



- For field-conversion of four-leg adjustable-height tables to mobile tables
- Four 4" (7.6 cm) diameter rubber-tired, hard-floor casters included with each order number

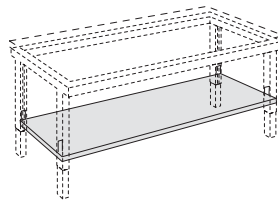
Prod. No.
900H2300

Work Surfaces

- Work surfaces are 1" (2.5 cm) thick and color is black
- Banding: 3mm black PVC all four edges (Plastic Laminate and Chemsurf® Only)

Width	24" (61.0 cm) Deep	30" (76.2 cm) Deep
Plastic Laminate		
36" (91.4 cm)	21L2436L	21L3036L
48" (121.9 cm)	21L2448L	21L3048L
Chemsurf®		
36" (91.4 cm)	21L2436C	21L3036C
48" (121.9 cm)	21L2448C	21L3048C
Epoxy Resin		
36" (91.4 cm)	21L2436E	21L3036E
48" (121.9 cm)	21L2448E	21L3048E

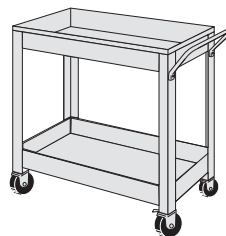
Storage Shelf for Four-Leg Adjustable-Height Tables



- Attaches to lower leg
- 150 pound shelf capacity
- Depth – 29" (73.7 cm)
- Clearance between shelf and frame after installation is 17-1/4" (44.5 cm)

Prod. No.	Width
923H9360	36" (91.4 cm)
923H9480	48" (121.9 cm)

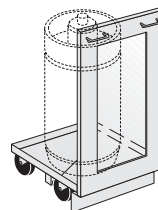
Mobile Lab Cart



- Steel construction with dove gray finish
- Four rubber-tired casters
- Extended lead time

956C2220	Overall Dimensions:
Width	33" (83.8 cm)
Depth	17" (43.2 cm)
Height	32" (81.3 cm)

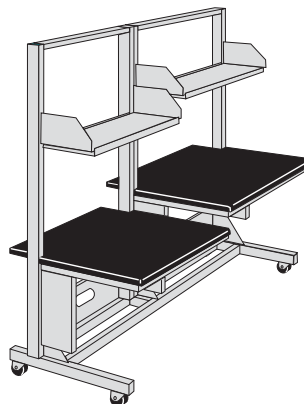
Container Cart



- The 22" deep cart is designed to safely support and transport reagent type containers
- Hand brake locks cart into position
- Lipped platform top and removable tray to contain spills
- Fits into knee space or under table frame (32" height clearance)
- Weight capacity: 250 pounds

Prod. No.	Width
950S0100	17" (43.2 cm)
950S0110	23" (58.4 cm)
950S0120	29" (73.7 cm)
950S0130	35" (88.9 cm)

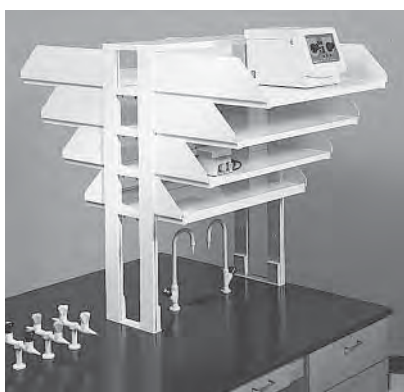
Mobile Instrument Cart



- Mobile Instrument Cart
- Select from a wide variety of components to create a custom cart assembly
- Please, consult the Hamilton Scientific MAX/Mobile™ Product Specification Catalog for ordering information.

Reagent Racks

Steel Reagent Racks



MAX/Lab® Bench-Top Uprights



MAX/Lab® Wall Rail System

Hamilton Scientific provides a variety of standard reagent rack configurations to choose from. In addition, special reagent rack configurations can be specified to meet your needs.

For even greater flexibility, consider the possibilities available with the Hamilton Scientific MAX/Lab Bench-Top Uprights for overhead storage, or the MAX/Lab Wall Rail System.

Refer to the Hamilton Scientific MAX/Lab Product Specification Catalog for additional selection options.

Reagent Racks p. 80–82

Bench-Top Uprights p. 82

Umbilical Chases p. 83–84

Reagent Racks

- Racks can be used over troughs or solid surfaces.
- Tops, conduit, piping and service fixtures must be ordered separately.
- Assembly is required.
- Fixture holes are not included.

**Reagent Shelf Assemblies –
18-1/4" (46.4 cm) High**

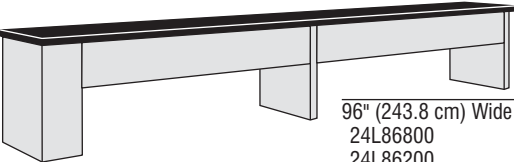


48", 60" and 72" wide assemblies

- 18-1/4" (46.4 cm) high shelf
- Plain aprons
- 1" (2.5 cm) thick black epoxy resin top with 2" overhang on ends
- Powder painted steel construction

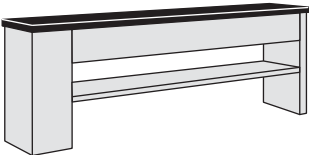
Prod. No.	Depth
48" (121.9 cm) Wide	
24L88800	8" (20.3cm)
24L88200	12" (30.5cm)
24L88600	16-1/2" (41.9cm)
60" (152.4 cm) Wide	
24L80800	8" (20.3cm)
24L80200	12" (30.5cm)
24L80600	16-1/2" (41.9cm)
72" (182.9 cm) Wide	
24L82800	8" (20.3cm)
24L82200	12" (30.5cm)
24L82600	16-1/2" (41.9cm)

96", 120" and 144" wide assemblies



1" overhang on ends	
96" (243.8 cm) Wide	
24L86800	8" (20.3cm)
24L86200	12" (30.5cm)
24L86600	16-1/2" (41.9cm)
120" (304.8 cm) Wide	
24L81800	8" (20.3cm)
24L81200	12" (30.5cm)
24L81600	16-1/2" (41.9cm)
144" (365.8 cm) Wide	
24L84800	8" (20.3cm)
24L84200	12" (30.5cm)
24L84600	16-1/2" (41.9cm)

**Reagent Rack Assembly with Adjustable Shelf –
23-3/4" (60.3 cm) High**

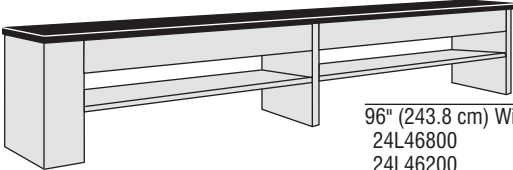


48", 60" and 72" wide assemblies

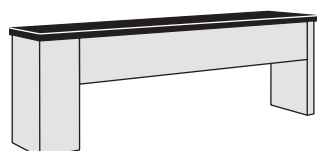
- 23-3/4" (60.3 cm) high rack
- Adjustable steel shelf
- Plain aprons
- 1" (2.5 cm) thick black epoxy resin top with 2" overhang on ends
- Powder painted steel construction

Prod. No.	Depth
48" (121.9 cm) Wide	
24L48800	8" (20.3cm)
24L48200	12" (30.5cm)
24L48600	16-1/2" (41.9cm)
60" (152.4 cm) Wide	
24L40800	8" (20.3cm)
24L40200	12" (30.5cm)
24L40600	16-1/2" (41.9cm)
72" (182.9 cm) Wide	
24L42800	8" (20.3cm)
24L42200	12" (30.5cm)
24L42600	16-1/2" (41.9cm)

96", 120" and 144" wide assemblies



1" overhang on ends	
96" (243.8 cm) Wide	
24L46800	8" (20.3cm)
24L46200	12" (30.5cm)
24L46600	16-1/2" (41.9cm)
120" (304.8 cm) Wide	
24L41800	8" (20.3cm)
24L41200	12" (30.5cm)
24L41600	16-1/2" (41.9cm)
144" (365.8 cm) Wide	
24L44800	8" (20.3cm)
24L44200	12" (30.5cm)
24L44600	16-1/2" (41.9cm)

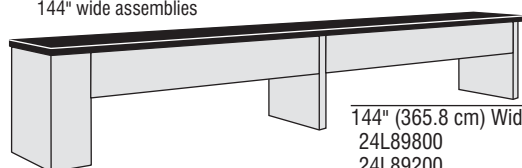
Reagent Racks**Reagent Racks and Uprights****Reagent Shelf Assemblies –
18-1/4" (46.4 cm) High**

48", 60" and 72" wide assemblies

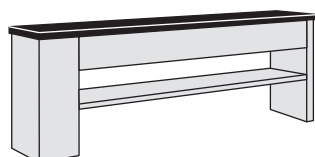
- 18-1/4" (46.4 cm) high shelf
- Plain aprons
- 1" (2.5 cm) thick black epoxy resin top with 1" overhang on ends
- Powder painted steel construction

Prod. No.	Depth
48" (121.9 cm) Wide	
24L83800	8" (20.3cm)
24L83200	12" (30.5cm)
24L83600	16-1/2" (41.9cm)
60" (152.4 cm) Wide	
24L85800	8" (20.3cm)
24L85200	12" (30.5cm)
24L85600	16-1/2" (41.9cm)
72" (182.9 cm) Wide	
24L87800	8" (20.3cm)
24L87200	12" (30.5cm)
24L87600	16-1/2" (41.9cm)

144" wide assemblies



144" (365.8 cm) Wide	
24L89800	8" (20.3cm)
24L89200	12" (30.5cm)
24L89600	16-1/2" (41.9cm)

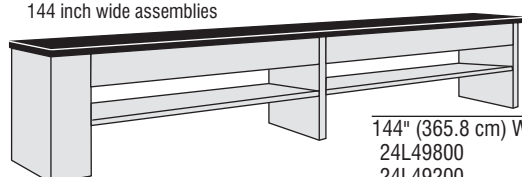
**Reagent Rack Assembly with Adjustable Shelf –
23-3/4" (60.3 cm) High**

48, 60 and 72 inch wide assemblies

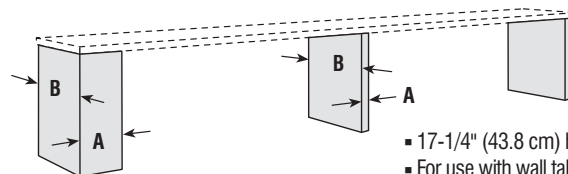
- 23-3/4" (60.3 cm) high rack
- Adjustable steel shelf
- Plain aprons
- 1" (2.5 cm) thick black epoxy resin top with 1" overhang on ends
- Powder painted steel construction

Prod. No.	Depth
48" (121.9 cm) Wide	
24L43800	8" (20.3cm)
24L43200	12" (30.5cm)
24L43600	16-1/2" (41.9cm)
60" (152.4 cm) Wide	
24L45800	8" (20.3cm)
24L45200	12" (30.5cm)
24L45600	16-1/2" (41.9cm)
72" (182.9 cm) Wide	
24L47800	8" (20.3cm)
24L47200	12" (30.5cm)
24L47600	16-1/2" (41.9cm)

144 inch wide assemblies



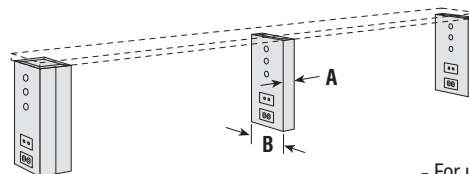
144" (365.8 cm) Wide	
24L49800	8" (20.3cm)
24L49200	12" (30.5cm)
24L49600	16-1/2" (41.9cm)

Reagent Rack Uprights Only

- 17-1/4" (43.8 cm) high rack
- For use with wall table

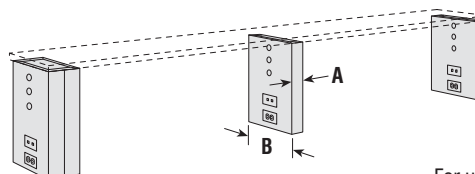
Prod. No.	Description	Width A	Depth B
24L07000	Service Line Upright	6" (15.2cm)	7-1/2" (19.1cm)
24L07200	Service Line Upright	6" (15.2cm)	11-1/2" (29.2cm)
24L07100	Standard Upright	2" (5.08cm)	7-1/2" (19.1cm)
24L07300	Standard Upright	2" (5.08cm)	11-1/2" (29.2cm)

- Racks can be used over troughs or solid surfaces.
- Uprights only – tops, conduit, piping and service fixtures must be ordered separately.
- Assembly is required.
- Uprights are equipped with pre-punched electrical and/or telecommunication outlets with standard attached junction box(es). Junction boxes are factory shipped with blank cover plates.
- Outlet holes for service fixtures are provided and plugged with buttons.
- Height – 17-1/4" (43.8 cm).

Reagent Rack Uprights

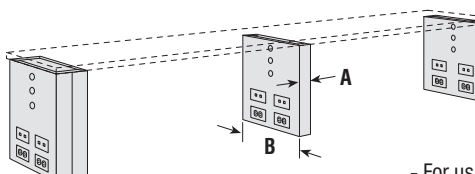
- For use with wall table

Prod. No.	Description	Width A	Depth B
24L12100	Single-Sided Upright	3" (7.62 cm)	7-1/2" (19.1 cm)
24L12200	Double-Sided Upright	6" (15.2 cm)	7-1/2" (19.1 cm)



- For use with center table

Prod. No.	Description	Width A	Depth B
24L12300	Single-Sided Upright	3" (7.62 cm)	11-1/2" (29.2 cm)
24L12400	Double-Sided Upright	6" (15.2 cm)	11-1/2" (29.2 cm)



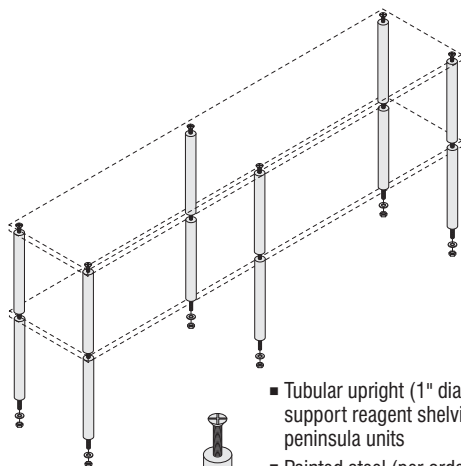
- For use with center table

Prod. No.	Description	Width A	Depth B
24L12500	Single-Sided Upright	3" (7.62 cm)	16" (40.6 cm)
24L12600	Double-Sided Upright	6" (15.2 cm)	16" (40.6 cm)

Reagent Racks

Reagent Rack Uprights and Bench-Top Uprights

Reagent Rack Uprights



- Tubular upright (1" diameter) designed to support reagent shelving at an island and/or peninsula units
- Painted steel (per order) or stainless steel Type 304 No. 4 finish
- Order 3/4" X 12" wide or 1" X 12" wide shelf material separately (epoxyn, high pressure laminate, chemsurf, wood, phenolic resin)
- Maximum support spacing - 48" and maximum load per shelf is 100 lbs

Prod. No.	Material	Length
24L06700	Steel	12" (30.5cm)
24L067S0	Stainless Steel	12" (30.5cm)
24L06800	Steel	18" (45.7cm)
24L068S0	Stainless Steel	18" (45.7cm)
24L06900	Steel	24" (61.0cm)
24L069S0	Stainless Steel	24" (61.0cm)

Reagent Shelves

- 1" thick reagent shelf

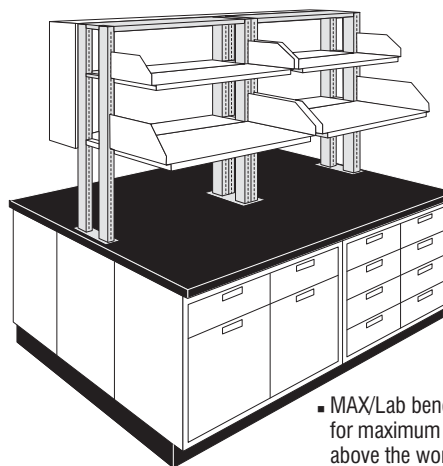
Prod. No.	Width	Depth
24L073S0	29-3/4" (75.6cm)	7-1/4" (18.4cm)
24L113S0	29-3/4" (75.6cm)	11-1/4" (28.6cm)
24L16300	29-3/4" (75.6cm)	15-3/4" (40.0cm)
24L07380	37-3/4" (95.9cm)	7-1/4" (18.4cm)
24L11380	37-3/4" (95.9cm)	11-1/4" (28.6cm)
24L16380	37-3/4" (95.9cm)	15-3/4" (40.0cm)
24L075S0	49-3/4" (126.4cm)	7-1/4" (18.4cm)
24L11500	49-3/4" (126.4cm)	11-1/4" (28.6cm)
24L16500	49-3/4" (126.4cm)	15-3/4" (40.0cm)
24L07620	61-1/2" (156.2cm)	7-1/4" (18.4cm)
24L11620	61-1/2" (156.2cm)	11-1/4" (28.6cm)
24L16620	61-1/2" (156.2cm)	15-3/4" (40.0cm)
24L07660	65-3/4" (167.0cm)	7-1/4" (18.4cm)
24L11660	65-3/4" (167.0cm)	11-1/4" (28.6cm)
24L16660	65-3/4" (167.0cm)	15-3/4" (40.0cm)

Reagent Aprons

- 1" thick reagent apron

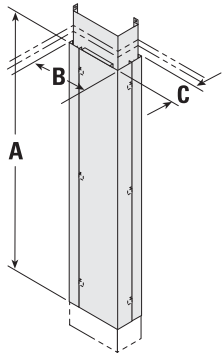
Prod. No.	Width
24L23800	38" (96.5cm)
24L25000	50" (127.0cm)
24L26200	62" (157.5cm)
24L26600	66" (167.6cm)

MAX/Lab® Bench-Top Uprights

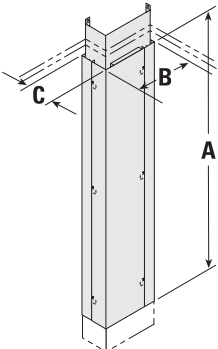


- MAX/Lab bench-top uprights provide for maximum utilization of space above the work surface for storage
- Bench-top uprights bolt to any work surface
- Bench-top uprights accommodate all MAX/Lab shelving and wall cases
- Please consult the Hamilton Scientific MAX/Lab Product Specification Catalog for ordering information

Steel Umbilical Chases



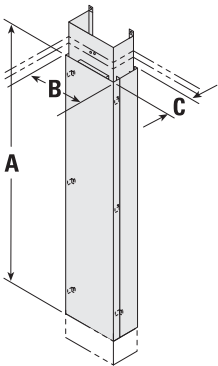
- Use to run utilities from the counter top up through the ceiling grid
- For left corner applications
- Installs on raised backsplashes



- Use to run utilities from the counter top up through the ceiling grid
- For right corner applications
- Installs on raised backsplashes

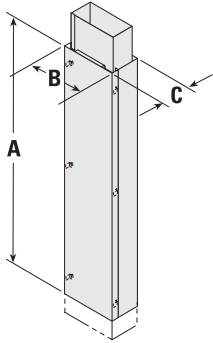
Prod. No.	Dim. A	Dim. B	Dim. C
620S2655L	53-1/2"(135.9cm)	12" (30.5cm)	6" (15.2cm)
620S2661L	59-1/2"(151.1cm)	12" (30.5cm)	6" (15.2cm)
620S2667L	65-1/2"(166.4cm)	12" (30.5cm)	6" (15.2cm)
620S2673L	71-1/2"(181.6cm)	12" (30.5cm)	6" (15.2cm)
620S2679L	77-1/2"(196.9cm)	12" (30.5cm)	6" (15.2cm)
620S2685L	83-1/2"(212.1cm)	12" (30.5cm)	6" (15.2cm)
620S8655L	53-1/2"(135.9cm)	18" (45.7cm)	6" (15.2cm)
620S8661L	59-1/2"(151.1cm)	18" (45.7cm)	6" (15.2cm)
620S8667L	65-1/2"(166.4cm)	18" (45.7cm)	6" (15.2cm)
620S8673L	71-1/2"(181.6cm)	18" (45.7cm)	6" (15.2cm)
620S8679L	77-1/2"(196.9cm)	18" (45.7cm)	6" (15.2cm)
620S8685L	83-1/2"(212.1cm)	18" (45.7cm)	6" (15.2cm)
620S4655L	53-1/2"(135.9cm)	24" (61.0cm)	6" (15.2cm)
620S4661L	59-1/2"(151.1cm)	24" (61.0cm)	6" (15.2cm)
620S4667L	65-1/2"(166.4cm)	24" (61.0cm)	6" (15.2cm)
620S4673L	71-1/2"(181.6cm)	24" (61.0cm)	6" (15.2cm)
620S4679L	77-1/2"(196.9cm)	24" (61.0cm)	6" (15.2cm)
620S4685L	83-1/2"(212.1cm)	24" (61.0cm)	6" (15.2cm)

Prod. No.	Dim. A	Dim. B	Dim. C
620S2655R	53-1/2"(135.9cm)	12" (30.5cm)	6" (15.2cm)
620S2661R	59-1/2"(151.1cm)	12" (30.5cm)	6" (15.2cm)
620S2667R	65-1/2"(166.4cm)	12" (30.5cm)	6" (15.2cm)
620S2673R	71-1/2"(181.6cm)	12" (30.5cm)	6" (15.2cm)
620S2679R	77-1/2"(196.9cm)	12" (30.5cm)	6" (15.2cm)
620S2685R	83-1/2"(212.1cm)	12" (30.5cm)	6" (15.2cm)
620S8655R	53-1/2"(135.9cm)	18" (45.7cm)	6" (15.2cm)
620S8661R	59-1/2"(151.1cm)	18" (45.7cm)	6" (15.2cm)
620S8667R	65-1/2"(166.4cm)	18" (45.7cm)	6" (15.2cm)
620S8673R	71-1/2"(181.6cm)	18" (45.7cm)	6" (15.2cm)
620S8679R	77-1/2"(196.9cm)	18" (45.7cm)	6" (15.2cm)
620S8685R	83-1/2"(212.1cm)	18" (45.7cm)	6" (15.2cm)
620S4655R	53-1/2"(135.9cm)	24" (61.0cm)	6" (15.2cm)
620S4661R	59-1/2"(151.1cm)	24" (61.0cm)	6" (15.2cm)
620S4667R	65-1/2"(166.4cm)	24" (61.0cm)	6" (15.2cm)
620S4673R	71-1/2"(181.6cm)	24" (61.0cm)	6" (15.2cm)
620S4679R	77-1/2"(196.9cm)	24" (61.0cm)	6" (15.2cm)
620S4685R	83-1/2"(212.1cm)	24" (61.0cm)	6" (15.2cm)



- Use to run utilities from the counter top up through the ceiling grid
- For wall applications
- Installs on raised backsplashes

Prod. No.	Dim. A	Dim. B	Dim. C
622S2655	53-1/2"(135.9cm)	12" (30.5cm)	6" (15.2cm)
622S8655	53-1/2"(135.9cm)	18" (45.7cm)	6" (15.2cm)
622S4655	53-1/2"(135.9cm)	24" (61.0cm)	6" (15.2cm)
622S2661	59-1/2"(151.1cm)	12" (30.5cm)	6" (15.2cm)
622S8661	59-1/2"(151.1cm)	18" (45.7cm)	6" (15.2cm)
622S4661	59-1/2"(151.1cm)	24" (61.0cm)	6" (15.2cm)
622S2667	65-1/2"(166.4cm)	12" (30.5cm)	6" (15.2cm)
622S8667	65-1/2"(166.4cm)	18" (45.7cm)	6" (15.2cm)
622S4667	65-1/2"(166.4cm)	24" (61.0cm)	6" (15.2cm)
622S2673	71-1/2"(181.6cm)	12" (30.5cm)	6" (15.2cm)
622S8673	71-1/2"(181.6cm)	18" (45.7cm)	6" (15.2cm)
622S4673	71-1/2"(181.6cm)	24" (61.0cm)	6" (15.2cm)
622S2679	77-1/2"(196.9cm)	12" (30.5cm)	6" (15.2cm)
622S8679	77-1/2"(196.9cm)	18" (45.7cm)	6" (15.2cm)
622S4679	77-1/2"(196.9cm)	24" (61.0cm)	6" (15.2cm)
622S2685	83-1/2"(212.1cm)	12" (30.5cm)	6" (15.2cm)
622S8685	83-1/2"(212.1cm)	18" (45.7cm)	6" (15.2cm)
622S4685	83-1/2"(212.1cm)	24" (61.0cm)	6" (15.2cm)

Reagent Racks**Umbilical Chases****Steel Umbilical Chases**

- Use to run utilities from the counter top up through the ceiling grid
- For center type applications
- Installs on raised backsplashes

Prod. No.	Dim. A	Dim. B	Dim. C
621S2655	53-1/2"(135.9cm)	12" (30.5cm)	6" (15.2cm)
621S2661	59-1/2"(153.7cm)	12" (30.5cm)	6" (15.2cm)
621S2667	65-1/2"(168.9cm)	12" (30.5cm)	6" (15.2cm)
621S2673	71-1/2"(184.2cm)	12" (30.5cm)	6" (15.2cm)
621S2679	77-1/2"(199.4cm)	12" (30.5cm)	6" (15.2cm)
621S2685	83-1/2"(214.6cm)	12" (30.5cm)	6" (15.2cm)
621S2855	53-1/2"(135.9cm)	12" (30.5cm)	8" (20.3cm)
621S2861	59-1/2"(153.7cm)	12" (30.5cm)	8" (20.3cm)
621S2867	65-1/2"(168.9cm)	12" (30.5cm)	8" (20.3cm)
621S2873	71-1/2"(184.2cm)	12" (30.5cm)	8" (20.3cm)
621S2879	77-1/2"(199.4cm)	12" (30.5cm)	8" (20.3cm)
621S2885	83-1/2"(214.6cm)	12" (30.5cm)	8" (20.3cm)
621S2055	53-1/2"(135.9cm)	12" (30.5cm)	10" (25.4cm)
621S2061	59-1/2"(153.7cm)	12" (30.5cm)	10" (25.4cm)
621S2067	65-1/2"(168.9cm)	12" (30.5cm)	10" (25.4cm)
621S2073	71-1/2"(184.2cm)	12" (30.5cm)	10" (25.4cm)
621S2079	77-1/2"(199.4cm)	12" (30.5cm)	10" (25.4cm)
621S2085	83-1/2"(214.6cm)	12" (30.5cm)	10" (25.4cm)
621S2255	53-1/2"(135.9cm)	12" (30.5cm)	12" (30.5cm)
621S2261	59-1/2"(153.7cm)	12" (30.5cm)	12" (30.5cm)
621S2267	65-1/2"(168.9cm)	12" (30.5cm)	12" (30.5cm)
621S2273	71-1/2"(184.2cm)	12" (30.5cm)	12" (30.5cm)
621S2279	77-1/2"(199.4cm)	12" (30.5cm)	12" (30.5cm)
621S2285	83-1/2"(214.6cm)	12" (30.5cm)	12" (30.5cm)
621S8655	53-1/2"(135.9cm)	18" (45.7cm)	6" (15.2cm)
621S8661	59-1/2"(153.7cm)	18" (45.7cm)	6" (15.2cm)
621S8667	65-1/2"(168.9cm)	18" (45.7cm)	6" (15.2cm)
621S8673	71-1/2"(184.2cm)	18" (45.7cm)	6" (15.2cm)
621S8679	77-1/2"(199.4cm)	18" (45.7cm)	6" (15.2cm)
621S8685	83-1/2"(214.6cm)	18" (45.7cm)	6" (15.2cm)
621S8855	53-1/2"(135.9cm)	18" (45.7cm)	8" (20.3cm)
621S8861	59-1/2"(153.7cm)	18" (45.7cm)	8" (20.3cm)
621S8867	65-1/2"(168.9cm)	18" (45.7cm)	8" (20.3cm)
621S8873	71-1/2"(184.2cm)	18" (45.7cm)	8" (20.3cm)
621S8879	77-1/2"(199.4cm)	18" (45.7cm)	8" (20.3cm)
621S8885	83-1/2"(214.6cm)	18" (45.7cm)	8" (20.3cm)
621S8055	53-1/2"(135.9cm)	18" (45.7cm)	10" (25.4cm)
621S8061	59-1/2"(153.7cm)	18" (45.7cm)	10" (25.4cm)
621S8067	65-1/2"(168.9cm)	18" (45.7cm)	10" (25.4cm)
621S8073	71-1/2"(184.2cm)	18" (45.7cm)	10" (25.4cm)
621S8079	77-1/2"(199.4cm)	18" (45.7cm)	10" (25.4cm)
621S8085	83-1/2"(214.6cm)	18" (45.7cm)	10" (25.4cm)
621S8255	53-1/2"(135.9cm)	18" (45.7cm)	12" (30.5cm)
621S8261	59-1/2"(153.7cm)	18" (45.7cm)	12" (30.5cm)
621S8267	65-1/2"(168.9cm)	18" (45.7cm)	12" (30.5cm)
621S8273	71-1/2"(184.2cm)	18" (45.7cm)	12" (30.5cm)
621S8279	77-1/2"(199.4cm)	18" (45.7cm)	12" (30.5cm)
621S8285	83-1/2"(214.6cm)	18" (45.7cm)	12" (30.5cm)

Prod. No.	Dim. A	Dim. B	Dim. C
621S4655	53-1/2"(135.9cm)	24" (61.0cm)	6" (15.2cm)
621S4661	59-1/2"(153.7cm)	24" (61.0cm)	6" (15.2cm)
621S4667	65-1/2"(168.9cm)	24" (61.0cm)	6" (15.2cm)
621S4673	71-1/2"(184.2cm)	24" (61.0cm)	6" (15.2cm)
621S4679	77-1/2"(199.4cm)	24" (61.0cm)	6" (15.2cm)
621S4685	83-1/2"(214.6cm)	24" (61.0cm)	6" (15.2cm)
621S4855	53-1/2"(135.9cm)	24" (61.0cm)	8" (20.3cm)
621S4861	59-1/2"(153.7cm)	24" (61.0cm)	8" (20.3cm)
621S4867	65-1/2"(168.9cm)	24" (61.0cm)	8" (20.3cm)
621S4873	71-1/2"(184.2cm)	24" (61.0cm)	8" (20.3cm)
621S4879	77-1/2"(199.4cm)	24" (61.0cm)	8" (20.3cm)
621S4885	83-1/2"(214.6cm)	24" (61.0cm)	8" (20.3cm)
621S4055	53-1/2"(135.9cm)	24" (61.0cm)	10" (25.4cm)
621S4061	59-1/2"(153.7cm)	24" (61.0cm)	10" (25.4cm)
621S4067	65-1/2"(168.9cm)	24" (61.0cm)	10" (25.4cm)
621S4073	71-1/2"(184.2cm)	24" (61.0cm)	10" (25.4cm)
621S4079	77-1/2"(199.4cm)	24" (61.0cm)	10" (25.4cm)
621S4085	83-1/2"(214.6cm)	24" (61.0cm)	10" (25.4cm)
621S4255	53-1/2"(135.9cm)	24" (61.0cm)	12" (30.5cm)
621S4261	59-1/2"(153.7cm)	24" (61.0cm)	12" (30.5cm)
621S4267	65-1/2"(168.9cm)	24" (61.0cm)	12" (30.5cm)
621S4273	71-1/2"(184.2cm)	24" (61.0cm)	12" (30.5cm)
621S4279	77-1/2"(199.4cm)	24" (61.0cm)	12" (30.5cm)
621S4285	83-1/2"(214.6cm)	24" (61.0cm)	12" (30.5cm)

Pharmacy Components

A wide selection of pharmacy base cabinets is available, along with convertible drug storage and dispensing cases, and gravity-fed drug dispensing cases.

Base Cabinets p. 86–91

**Convertible Drug Storage
and Dispensing Cases** . p. 92–95



This Locating Diagram appears on the first page of each Pharmacy component sub-section. The component covered in that sub-section appears as shaded.

Pharmacy Base Cabinets

Quality-constructed Hamilton Scientific base cabinets for the pharmacy come in a variety of styles and options.

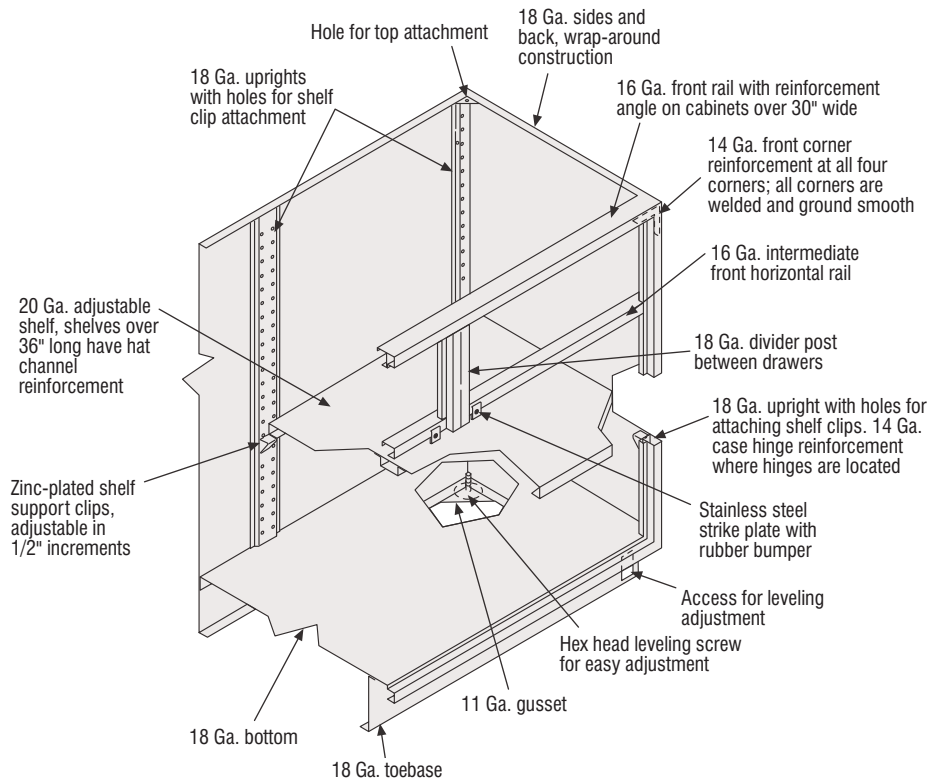
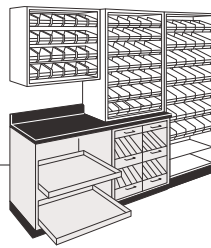
Choose from models with open fronts, doors, regular and gravity-feed drawers as well as combination styles. Features such as pull-out shelves and ointment slabs also are available.



Refer to the Hamilton Scientific Health Care Project Planning Guide for assistance in choosing the optimum components for your pharmacy.

**Pharmacy Height
Base Cabinets** p. 87–89

**Pharmacy Base Cabinet
Accessories** p. 90–91

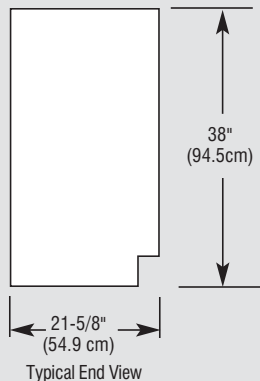


Steel Doors and Drawers:

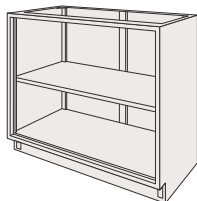
- Doors are 20 gauge interior and 18 gauge exterior panels filled with sound deadening material, 14 gauge steel reinforcement added at hinge locations and 20 gauge vertical reinforcement channel, one each door.
- The roller catch is nylon-tired. When a lock is supplied with double doors, elbow catch is used on left-hand door.
- Drawer heads are 20 gauge filled with sound deadening material.
- One-piece drawer body is 20 gauge with a coved bottom.
- Drawer suspension is 14 gauge with nylon-tired ball-bearing rollers and a self-closing feature. Full-extension telescoping drawer suspension is available.

Wood Doors and Drawer Heads:

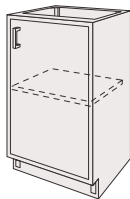
- Doors and drawers are constructed of a 3/4" thick veneer clad particle board core with 3mm thick veneer edge banding.
- 20 gauge one-piece drawer body with coved bottom.
- Drawer suspension is 14 gauge with nylon-tired ball-bearing rollers and a self-closing feature. Full-extension telescoping drawer suspension is available.

Pharmacy Base Cabinets**Pharmacy Height – 38" High By 21-5/8" Deep**

- Shelves are adjustable in 1/2" (1.3 cm) increments, except for fixed pull-out shelves.
- Ointment slabs are available for all 1-5/8" (4.1 cm) high drawers.
- Locks are available as an extended lead time non-standard item.
- See page 45 for actual drawer height dimensions.

Open Cabinets

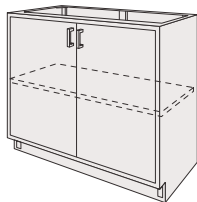
Prod. No.	Width
300S2420	18" (45.7 cm)
300S4420	24" (61.0 cm)
300S6420	36" (91.4 cm)
300S8420	48" (121.9 cm)

Door Cabinets

- One adjustable shelf

Prod. No.	Width
444S2420	18" (45.7 cm)
444S4420	24" (61.0 cm)

Prod. No.	Width
443S2420	18" (45.7 cm)
443S4420	24" (61.0 cm)



- One adjustable shelf

Prod. No.	Width
445S6420	36" (91.4 cm)
445S8420	48" (121.9 cm)

Drawer Cabinets

- One 9" (22.7 cm) high drawer above two 12" (30.6 cm) high file drawers
- File drawers are equipped with full extension slides

Prod. No.	Width
465S2420	18" (45.7 cm)

Drawer Cabinets (continued)

- Two 6" (15.2 cm) high drawers above one 9" (22.7 cm) high and one 12" (30.5 cm) high drawer
- One drawer pull on 18" (45.7 cm) and 24" (61.0 cm) wide units; two drawer pulls on 36" (91.4 cm) and 48" (121.9 cm) wide units

Prod. No.	Width
435S2420	18" (45.7 cm)
435S4420	24" (61.0 cm)
464S6420	36" (91.4 cm)
464S8420	48" (121.9 cm)



- One 3" (7.62 cm) high drawer above two 6" (15.2 cm) and two 9" (22.7 cm) high drawers

Prod. No.	Width
434S2420	18" (45.7 cm)
434S4420	24" (61.0 cm)



- Two 3" (7.62 cm) high drawers above four 6" (15.2 cm) high and four 9" (22.7 cm) high drawers

Prod. No.	Width
436S4420	24" (61.0 cm)



- One pull-out shelf above two 6" (15.2 cm) high gravity-feed drawers

Prod. No.	Width
429S4420	24" (61.0 cm)



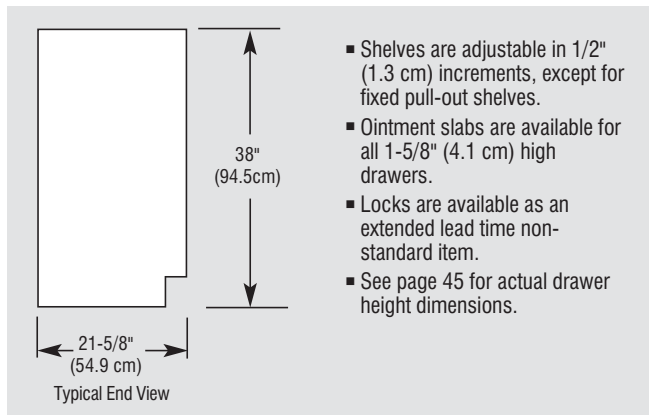
- One 3" (7.62 cm) high drawer above two 6" (15.2 cm) high gravity-feed drawers

Prod. No.	Width
461S2420	18" (45.7 cm)
461S4420	24" (61.0 cm)



- Two 3" (7.62 cm) high drawers above four 6" (15.2 cm) high gravity-feed drawer

Prod. No.	Width
462S6420	36" (91.4 cm)
462S8420	48" (121.9 cm)

Pharmacy Base Cabinets**Pharmacy Height – 38" High By 21-5/8" Deep**

- Shelves are adjustable in 1/2" (1.3 cm) increments, except for fixed pull-out shelves.
- Ointment slabs are available for all 1-5/8" (4.1 cm) high drawers.
- Locks are available as an extended lead time non-standard item.
- See page 45 for actual drawer height dimensions.

Drawer Cabinets (continued)

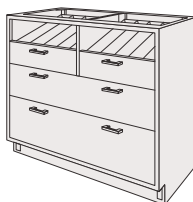
- One 6" (15.2 cm) high gravity-feed drawer above one 9" (22.7 cm) high and one 12" (30.5 cm) high drawer

Prod. No.	Width
430S2420	18" (45.7 cm)
430S4420	24" (61.0 cm)



- One 3" (7.62 cm) high drawer above one 6" (15.2 cm) high gravity-feed drawer and two 9" (22.7 cm) high drawers

Prod. No.	Width
431S2420	18" (45.7 cm)
431S4420	24" (61.0 cm)



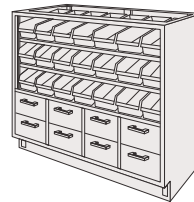
- Two 6" (15.2 cm) high gravity-feed drawers above one 9" (22.7 cm) high and one 12" (30.5 cm) high drawer

Prod. No.	Width
458S6420	36" (91.4 cm)
458S8420	48" (121.9 cm)



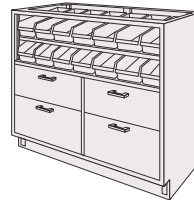
- Two 3" (7.62 cm) high drawers above two 6" (15.2 cm) high gravity-feed drawers and two 9" (22.7 cm) high drawers

Prod. No.	Width
460S6420	36" (91.4 cm)
460S8420	48" (121.9 cm)

Drawer Cabinets (continued)

- Three rows of seven 2-7/8" (7.3 cm) high gravity-feed trays above eight 6" (15.2 cm) high drawers

Prod. No.	Width
426S8420	48" (121.9 cm)



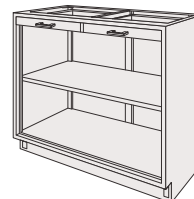
- Two rows of six 4-1/2" (11.4 cm) high gravity-feed trays above two 6" (15.2 cm) high and two 9" (22.7 cm) high drawers

Prod. No.	Width
950S6700	36" (91.4 cm)

Combination Cabinets

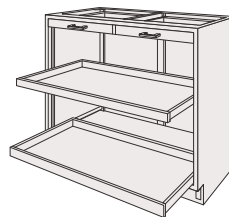
- Open cupboard below one 3" (7.62 cm) high and one 6" (15.2 cm) high drawer
- One adjustable shelf

Prod. No.	Width
423S2420	18" (45.7 cm)
423S4420	24" (61.0 cm)



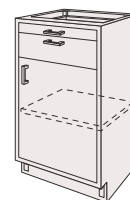
- Open cupboard below two 3" (7.62 cm) high drawers
- One adjustable shelf

Prod. No.	Width
454S6420	36" (91.4 cm)
454S8420	48" (121.9 cm)



- Open cupboard below two 3" (7.62 cm) high drawers
- Two pull-out shelves

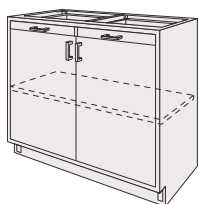
Prod. No.	Width
452S6420	36" (91.4 cm)
452S8420	48" (121.9 cm)



- One 3" (7.62 cm) high and one 6" (15.2 cm) high drawer above a cupboard
- One adjustable shelf

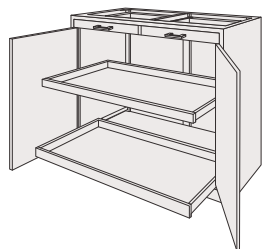
Product No.	Width
Right-Hinged	
446S2420	18" (45.7 cm)
446S4420	24" (61.0 cm)

Left-Hinged	
447S2420	18" (45.7 cm)
447S4420	24" (61.0 cm)

Pharmacy Base Cabinets**Pharmacy Height – 38" High By 21-5/8" Deep****Combination Cabinets (continued)**

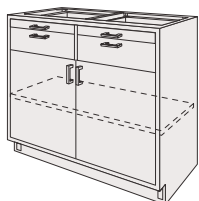
- Two 3" (7.62 cm) high drawers above a cupboard
- One adjustable shelf

Prod. No.	Width
453S6420	36" (91.4 cm)
453S8420	48" (121.9 cm)



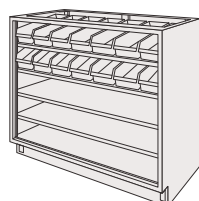
- Two 3" (7.62 cm) high drawers above a cupboard
- Two pull-out shelves

Prod. No.	Width
439S6420	36" (91.4 cm)
439S8420	48" (121.9 cm)



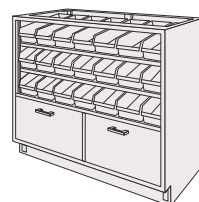
- Two 3" (7.62 cm) high and two 6" (15.2 cm) high drawers above a cupboard
- One adjustable shelf

Prod. No.	Width
448S6420	36" (91.4 cm)
448S8420	48" (121.9 cm)



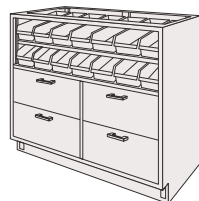
- Two rows of 2-7/8" (7.3 cm) high gravity-feed trays above two adjustable shelves

Prod. No.	No. of Trays	Width
456S6420	10	36" (91.4 cm)
456S8420	14	48" (121.9 cm)



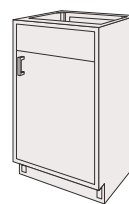
- Three rows of 2-7/8" (7.3 cm) high gravity-feed trays above two 12" (30.5 cm) high drawers

Prod. No.	No. of Trays	Width
455S6420	15	36" (91.4 cm)
455S8420	21	48" (121.9 cm)



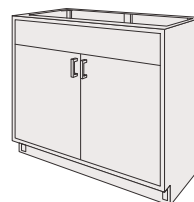
- Two rows of 2-7/8" (7.3 cm) high gravity-feed trays above four 9" (22.7 cm) high drawers

Prod. No.	No. of Trays	Width
427S6420	10	36" (91.4 cm)
427S8420	14	48" (121.9 cm)

Sink Cabinets

- Flush front panel

Product No.	Width
Right-Hinged 442S4420	24" (61.0 cm)
Left-Hinged 441S4420	24" (61.0 cm)



- Flush front panel

Prod. No.	Width
440S6420	36" (91.4 cm)
440S8420	48" (121.9 cm)

Waste Bin Cabinets

- Tilt-out door with removal waste bin
- Ointment slab above a waste bin

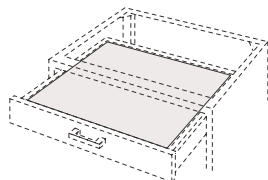
Prod. No.	Width
428S4420	24" (61.0 cm)

See Page 39 and 40 for Filler panels and scribes.

Pharmacy Base Cabinets

Pharmacy Base Cabinet Accessories

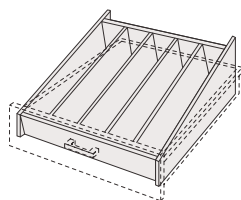
Lighted Ointment Slab



- Insert for any 3" (7.62 cm) high drawer in 24" (61.0 cm) wide cabinet
- Available on extended delivery only

Prod. No.
531M1120

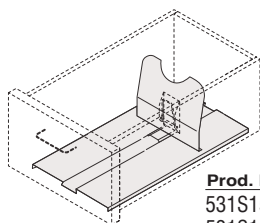
Gravity-Feed Drawer Insert



- For 24" (61.0 cm) wide cabinet only
- Available on extended delivery only

Prod. No.
531M2570

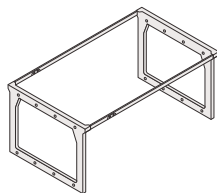
File Drawer Follower/Insert Assembly



- Add to cabinet file drawers per chart below
- Color: Chameleon

Prod. No.	Insert Width	Cabinet Width
531S15100	14-1/8" (35.9 cm)	18" (45.7 cm)
531S15200	17-1/8" (43.5 cm)	21" (53.3 cm)
531S15300	20-1/8" (51.1 cm)	24" (61.0 cm)

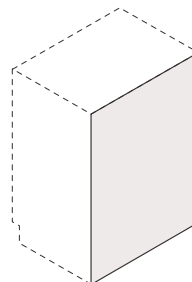
File Hanger



- For hanging Pendaflex files (front-to-back)
- Fits into 18" wide drawers
- Adjustable to different depths of file drawers

Prod. No.
531M3000

Finished Back

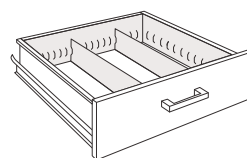


- For use when base cabinet back is exposed to view

Prod. No.	Width
For Pharmacy Cabinets	
531M3710	15" (38.1 cm)
531M3720	18" (45.7 cm)
531M3730	21" (53.3 cm)
531M3740	24" (61.0 cm)
531M3750	30" (76.2 cm)
531M3760	36" (91.4 cm)
531M3770	42" (106.7 cm)
531M3780	48" (121.9 cm)

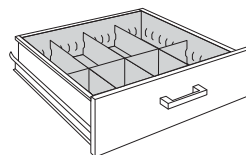
Drawer Partitions

- For standard and pharmacy base unit drawers.
- Drawer partition inserts consist of perimeter mounting members with divider partitions.
- Stock drawer partitions are available for wider drawers. To order, specify the drawer width, depth and height.



- Three-section drawer insert

Prod. No.	Width
1-1/2" (3.8cm) high partition for 3" (7.6cm) high drawer	
531S4050	18" (45.7 cm)
531S4060	24" (61.0 cm)
4-1/4" (10.8 cm) high partition for 6" (15.2cm) high drawer	
531S4070	18" (45.7 cm)
531S4080	24" (61.0 cm)

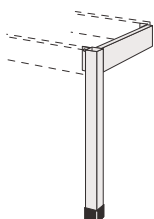


- Eight-section drawer insert

Prod. No.	Width
1-1/2" (3.8cm) high partition for 3" (7.6cm) high drawer	
531S4130	18" (45.7 cm)
531S4140	24" (61.0 cm)
4-1/4" (10.8 cm) high partition for 6" (15.2cm) high drawer	
531S4150	18" (45.7 cm)
531S4160	24" (61.0 cm)

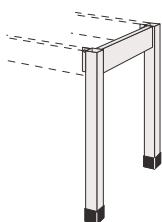
Pharmacy Base Cabinets**Pharmacy Base Cabinet Accessories****Leg Assemblies**

- Adjustable leveler glides and vinyl leg shoes on legs.
- Attachment hardware is included.



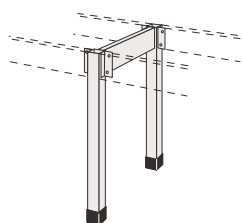
- Single leg provides support at either end of table frame (reversible in field)
- Connects to the wall

Prod. No.	Depth
524S3820	21-5/8" (54.9cm)
524S3880	27-15/16" (71.0cm)



- Double leg assembly provides support at either end of the table frame

Prod. No.	Depth
522S3810	21-5/8" (54.9cm)
522S3820	28" (71.1cm)



- Double leg assembly provides support at center of the table frame

Prod. No.	Depth
523S3810	21-5/8" (54.9cm)
523S3820	28" (71.1cm)

End Support Panels

- Panel end support
- Use in place of legs on one end to support a drawer frame
- Angles are bolted to panel for easy removal
- Attachment hardware is included

Prod. No.	Depth
525S3820	21-5/8" (54.9cm)
525S3880	27-15/16" (71.0cm)

See Page 41 and 42 for knee space drawer frames.

Convertible Drug Storage & Dispensing Cases

Drug storage and gravity-feed dispensing cases are available in a wide variety of cabinet styles and sizes.

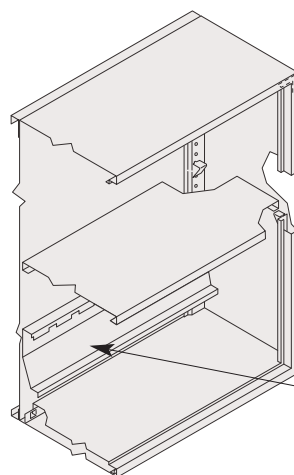


Refer to the Hamilton Scientific Health Care Project Planning Guide for assistance in choosing the optimum components for your pharmacy.

Open Wall Cases	p. 93
Open Upper Cases	p. 93
Open Tall Cases	p. 93, 94
Dispensing Tray Assemblies	p. 94
Revolving Tray Units	p. 94
Medication Trays	p. 94
Narcotics Lockers	p. 95

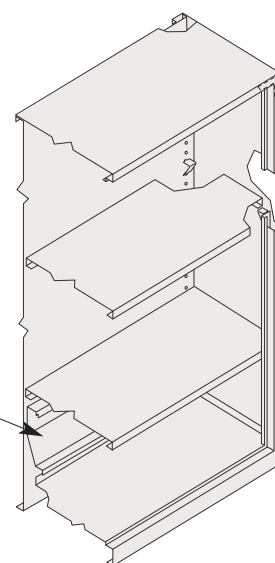


Pharmacy Wall Case



Inset Steel Pharmacy Wall Cases have the same quality construction features as standard Wall Cases. See p. 47 for a more detailed description of these features.

Pharmacy Upper Case



18 Ga. angled tray channel in lieu of shelves – on cabinets equipped with medication trays

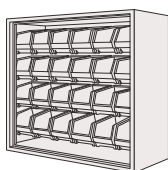
Inset Steel Pharmacy Upper Cases have the same quality construction features as standard Upper Cases. See p. 57 for a more detailed description of these features.

Pharmacy Drug and Dispensing Cases

Convertible Drug Storage and Dispensing Cases

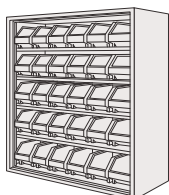
- Drug and dispensing cases can be ordered three ways; tray hanging brackets for various number of trays, shelves with medication trays, gravity-feed shelves with medication trays.
- Tray hanging brackets are angled 20° for medication trays.
- Standard shelves with medication trays cannot be adjusted to a 20° angle and do not come with shelf lips.
- Gravity-feed shelves are angled 20° and are supplied with retaining lips to hold medication trays.
- Medication trays included.
- Available on extended delivery only.

Open Wall Cases



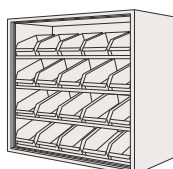
- Four tray hanging brackets
- Twenty-four 5-1/8" (13.0 cm) wide medication trays
- 31" (78.7 cm) high; 13" (33.0 cm) deep

Prod. No.	Width
950S6710	36" (91.4 cm)



- Five shelves with medication trays
- Tray capacity: 24" wide case holds twenty 5-1/8" (13.0 cm) wide trays; 36" (91.4 cm) wide case holds thirty 5-1/8" (13.0 cm) wide trays
- 36-13/16" (93.5 cm) high; 13" (33.0 cm) deep

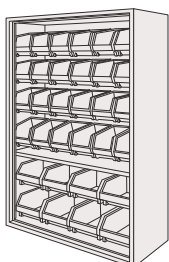
Prod. No.	Width
720M4530	24" (61.0 cm)
720M6530	36" (91.4 cm)



- Four gravity-feed shelves
- Fifteen 18-3/8" (48.2 cm) deep and five 8-3/8" (19.3 cm) deep medication trays
- 31" (78.7 cm) high; 16" (40.6 cm) deep

Prod. No.	Width
950M6310	36" (91.4 cm)

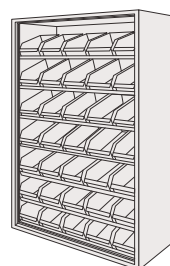
Open Upper Cases



- Six tray hanging brackets
- Twenty-four 5-1/8" (13.0 cm) wide and eight 8" (20.3 cm) wide medication trays
- 49-13/32" (125.5 cm) high; 13" (33.0 cm) deep

Prod. No.	Width
950M6730	36" (91.4 cm)

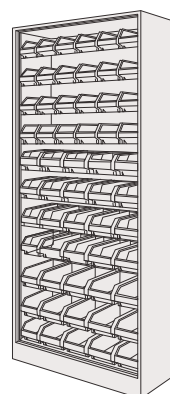
Open Upper Cases (continued)



- Seven gravity-feed shelves
- Thirty 18-3/8" (48.2 cm) deep and five 8-3/8" (19.3 cm) deep medication trays
- 49-13/32" (125.5 cm) high; 16" (40.6 cm) deep

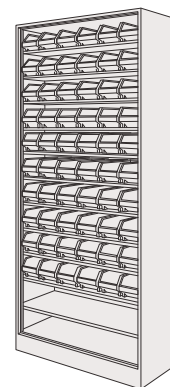
Prod. No.	Width
950M6330	36" (91.4 cm)

Open Tall Cases



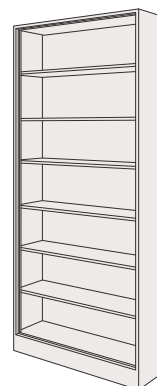
- Eleven tray hanging brackets
- Twenty-four 5-1/8" (13.0 cm) wide, twelve 8" (20.3 cm) wide with dividers and sixteen 8" (20.3 cm) wide medication trays
- 84-5/8" (214.9 cm) high; 13" (33.0 cm) deep

Prod. No.	Width
950S6750	36" (91.4 cm)



- Eleven shelves
- Sixty 5-1/8" (13.0 cm) wide medication trays
- 84-5/8" (214.9 cm) high; 13" (33.0 cm) deep

Prod. No.	Width
820S6930	36" (91.4 cm)



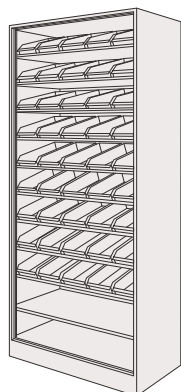
- Six shelves
- 84-5/8" (214.9 cm) high; 9" (22.9 cm) deep

Prod. No.	Width
950S6650	18" (45.7 cm)
950S6660	30" (76.2 cm)
950S6670	36" (91.4 cm)

Pharmacy Drug and Dispensing Cases

Convertible Drug Storage and Dispensing Cases

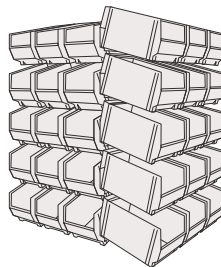
Open Tall Cases



- One adjustable shelf, nine gravity-feed shelves
- Forty 18-3/8" (46.7 cm) and five 8-3/8" (19.3 cm) deep medication trays
- 84-5/8" (214.9 cm) high, 16" (40.6 cm) deep

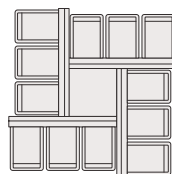
Prod. No.	Width
950S6350	36" (91.4 cm)

Revolving Tray Unit

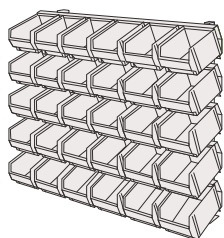


- Four-sided counter-mounted unit
- Choose forty 5-1/8" (13.0 cm) wide or sixty 3-7/8" (9.8 cm) wide trays
- Requires a 40" (101.6 cm) diameter clearance
- 37" (94.0 cm) high; 28" (71.1 cm) deep

Prod. No.	Width
40 Trays 950M6740	28" (71.0 cm)
60 Trays 950M6720	28" (71.0 cm)

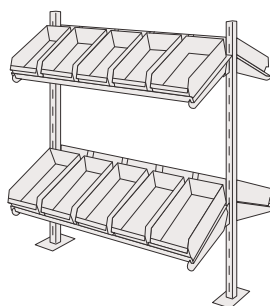
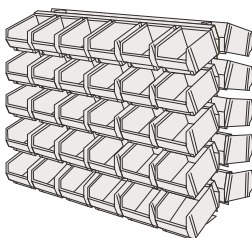


Dispensing Tray Assembly



- Choice of single-sided or double-sided free-standing assembly
- Tray capacity: single-sided holds thirty 5-1/8" (13.0 cm) wide trays; double-sided holds sixty 5-1/8" (13.0 cm) wide trays
- 36" (91.4 cm) high

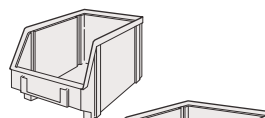
Prod. No.	Width
Single-Sided, 10-3/4" (27.3 cm) Deep 950M6770	36" (91.4 cm)
Double-Sided, 20" (50.8 cm) Deep 950M6780	36" (91.4 cm)



- Tilting shelf assembly with two shelves per side
- Wall-mounted or placed on wall case supports
- Tray capacity: 30" (76.2 cm) wide unit holds twenty 8-3/8" (19.3 cm) deep medication trays; 48" (121.9 cm) wide unit holds twenty-eight 8-3/8" (19.3 cm) deep medication trays
- Specify a double-slotted upright when more than one assembly is used as continuous shelving
- 36" (91.4 cm) high; 21" (53.3 cm) deep

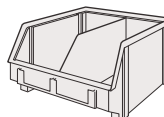
Prod. No.	Width
950M6500	30" (76.2 cm)
950M6800	48" (121.9 cm)

Medication Trays

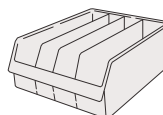


- Choose single or double compartments
- Light blue polypropylene
- 4-1/2" (11.4 cm) high; 8-1/2" (21.6 cm) deep

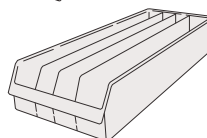
Prod. No.	Width
Single-Compartment 531M2540	5-1/8" (13.0 cm)
531M2560	8" (20.3 cm)



Prod. No.	Width
Double-Compartment 531M2580	3-7/8" (9.84 cm) each compartment



- White reinforced polyester
- Autoclavable
- Metal dividers
- 2-7/8" (7.3 cm) high



Prod. No.	Width
8-3/8" (21.3 cm) Deep 531M2550	5-7/8" (15.2 cm)
18-3/8" (46.7 cm) Deep 531M2530	5-7/8" (15.2 cm)

Auxiliary Lab Components

Hamilton Scientific offers comprehensive product lines to meet virtually any need in even the most demanding laboratory environment.

The following products are referenced in this section and featured in separate catalogs:

Work Surfaces p. 98–104

Fume Hoods p. 105

Sinks p. 106

Service Fixtures p. 107

**Electrical and
Data Equipment** p. 108

Accessories p. 109

Safety Equipment p. 110

Work Surfaces

Hamilton Scientific offers a complete selection of work surfaces to meet your specific requirements for chemical, moisture, heat and impact resistance. Choose from epoxy resin, high-pressure laminate, chemical resistant plastic laminate, Chemsurf®, or stainless steel. Select from a variety of colors and edge configurations.

Use the information in this section to become acquainted with the properties and performance characteristics of each material.

Selection Criteria p. 99

Special Ordering Information p. 100

Edge Configurations and Curb Styles p. 101

Work Surface Configurations p. 101

Ordering Work Surfaces p. 102–103

Stainless Steel Tops p. 104



Selection Criteria**Work Surface Performance Properties**

- Hamilton Scientific standard work surfaces are 1" (2.5 cm) thick. 1-1/4" (3.2 cm) thick work surfaces also are available.

- Stainless steel work surfaces (with standard or marine edge) are available on special order.

Description	High-Pressure Laminate	Chemsurf®	Epoxy Resin	Stainless Steel
Basic Material	Wood particle core with plastic laminate surface	Wood particle core with acid-resistant plastic laminate surface	Epoxy resins and inert materials	No. 304 stainless steel
Physical Properties	Plastic laminate with molded wood core, banded edges; difficult to repair	Acid-resistant plastic laminate with molded wood core; banded edges; difficult to repair	Extremely hard	Heavy-gauge Type No. 304
Appearance/Color	Smooth finish, satin black and colors	Smooth finish, satin black and colors	Low sheen finish, black and colors	Smooth satin finish
Cost	Initial installation cost is not an adequate indicator of long-term value. Choose a surface based on lab requirements.			
Cleaning, Ease	Fair	Good	Good	Excellent
Abrasion Resistance	Fair	Poor	Good	Excellent
Chemical Resistance	Poor	Excellent resistance to wide range of acids, solvents, and alkalies	Excellent resistance to wide range of acids, solvents and alkalies	Good resistance to wide range of chemicals; subject to attack by some
Stain Resistance	Good	Good	Good	Good
Bacteria Resistance	Good	Good	Excellent	Excellent
Heat Resistance	Fair; should not be exposed to direct flame	Fair; should not be exposed to direct flame	Excellent	Discolors at high temperatures
Impact Resistance	Fair	Fair	Good	Excellent
Load Capacity*	Good	Good	Good	Excellent
Electrical Conductivity	None	None	None	Very conductive
Moisture Resistance	Fair	Fair	Excellent	Superior
Use with Fume Hoods	Not recommended	Not recommended	Recommended	Recommended
Suggested Use Areas	General-purpose areas requiring limited heat resistance and no chemical resistance	Areas requiring limited chemical and heat resistance	Areas requiring exceptional chemical and heat resistance	High-moisture areas; areas subject to fire and abrasion

* Load capacities are also determined by supporting structures.

®Chemsurf is a registered trademark of Ralph Wilson Plastics.

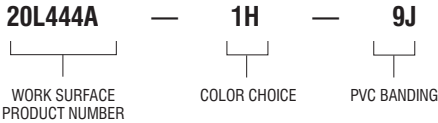
Special Ordering Information

Work Surface Color Choices

Choose your work surface color from the choices below, and if applicable, choose a PVC banding color for accent. **Add this suffix to the end of the work surface product number.**

The standard color for Epoxy Resin surfaces is black. Ten additional colors are available on special order.

Typical Ordering
Number Example:



PVC Banding

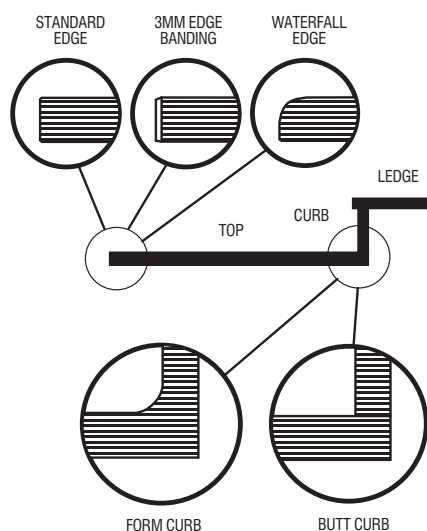
- 9H — 3mm Black
- 9I — 3mm Chameleon
- 9J — 3mm Grey
- 9K — 3mm White

Chemsurf®

- 9L — Black
- 9M — Antique White
- CG — Neutral Glace
- CW — White
- FR — Fashion Grey
- GL — Grey Glace

High-Pressure Laminate

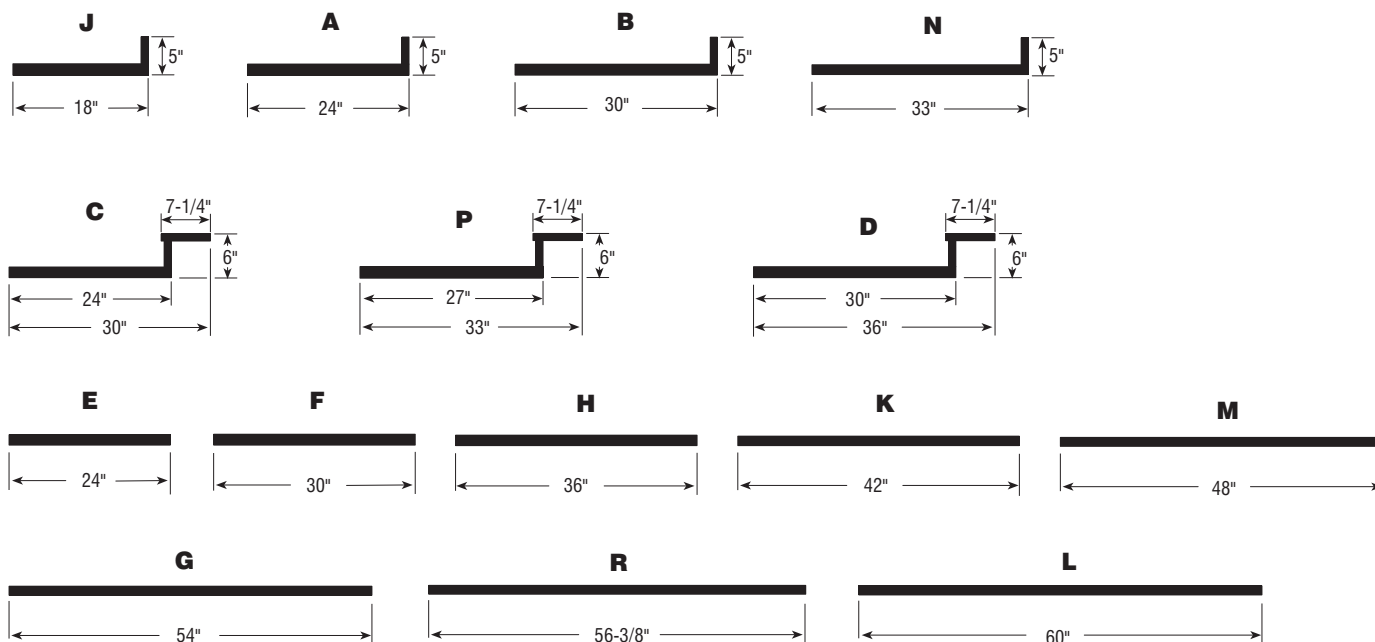
- | | | |
|---------------------|-------------------|--------------------|
| 1F — Atlantis | 2Q — Pepperdust | 5J — White |
| 1I — Natural Almond | 3Z — Fashion Grey | 5K — Antique White |
| 1O — Featherstone | 4Y — Lapis Blue | 5L — Frosty White |
| 1V — Dove Grey | 5E — Grey | 5M — Black |
| 1X — Haze | 5F — Putty | 5P — White Nebula |
| 2J — Platinum | 5I — Light Beige | |

Edge Configurations and Curb Styles

Special Note for Epoxy Resin Only:
 Standard edge profile features a .125" (0.32 cm) radius on top and bottom corners. 3mm and waterfall edges not available on continuous Epoxy Resin tops.

Work Surface Configurations – Section Through Illustration of Side Profile

- Order configuration N for C-Frame assemblies only.



Work Surfaces**Ordering Work Surfaces****Ordering Standard Work Surfaces with No Custom Fabrication**

1. Select a work surface configuration from drawings A through R on page 101.
2. Select a work surface material from the Performance Properties chart.
3. Using the configuration letter and work surface material, locate the ordering number on the Work Surface Product Numbers chart.

For ordering 1" (2.5 cm) thick tops for all Hamilton Scientific base cabinets and C-frame assemblies

	Self-Band Hi-Press. Plastic Laminate With Butt Curb	Self-Band Hi-Press. Plastic Laminate With Form Curb	Self-Band Hi-Press. Chemsurf® With Butt Curb	Self-Band Hi-Press. Chemsurf® With Form Curb	Waterfall Hi-Press. Plastic Laminate With Butt Curb	Waterfall Hi-Press. Plastic Laminate With Form Curb	Waterfall Hi-Press. Chemsurf With Butt Curb	Waterfall Hi-Press. Chemsurf® With Form Curb	3MM Edge Banding Hi-Press. Plastic Laminate With Butt Curb	3MM Edge Banding Hi-Press. Plastic Laminate With Form Curb	3MM Edge Banding Hi-Press. Chemsurf® With Butt Curb	3MM Edge Banding Hi-Press. Chemsurf® With Form Curb	Epoxy Resin* Butt Curb
Curb Per Lin Foot	22L07300	—	22L07400	—	22L07300	—	22L07400	—	22L09400	—	22L09500	—	22L07500
Top Per Sq. Foot	20L444I0	—	20L445I0	—	20L433I0	—	20L439I0	—	20L455I0	—	20L458I0	—	20L446I0
Top A	20L444A0	20L448A0	20L445A0	20L454A0	20L433A0	20L434A0	20L439A0	20L440A0	20L455A0	20L457A0	20L458A0	20L459A0	20L446A0
B	20L444B0	20L448B0	20L445B0	20L454B0	20L433B0	20L434B0	20L439B0	20L440B0	20L455B0	20L457B0	20L458B0	20L459B0	20L446B0
C	20L444C0	20L448C0	20L445C0	20L454C0	20L433C0	20L434C0	20L439C0	20L440C0	20L455C0	20L457C0	20L458C0	20L459C0	20L446C0
D	20L444D0	20L448D0	20L445D0	20L454D0	20L433D0	20L434D0	20L439D0	20L440D0	20L455D0	20L457D0	20L458D0	20L459D0	20L446D0
E	20L444E0	—	20L445E0	—	20L433E0	—	20L439E0	—	20L455E0	—	20L458E0	—	20L446E0
F	20L444F0	—	20L445F0	—	20L433F0	—	20L439F0	—	20L455F0	—	20L458F0	—	20L446F0
G	20L444G0	—	20L445G0	—	20L433G0	—	20L439G0	—	20L455G0	—	20L458G0	—	20L446G0
H	20L444H0	—	20L445H0	—	20L433H0	—	20L439H0	—	20L455H0	—	20L458H0	—	20L446H0
J	20L444J0	20L448J0	20L445J0	20L454J0	20L433J0	20L434J0	20L439J0	20L440J0	20L455J0	20L457J0	20L458J0	20L459J0	20L446J0
K	20L444K0	—	20L445K0	—	20L433K0	—	20L439K0	—	20L455K0	—	20L458K0	—	20L446K0
L	20L444L0	—	20L445L0	—	20L433L0	—	20L439L0	—	20L455L0	—	20L458L0	—	20L446L0
M	20L444M0	—	20L445M0	—	20L433M0	—	20L439M0	—	20L455M0	—	20L458M0	—	20L446M0
N	20L444N0	20L448N0	20L445N0	20L454N0	20L433N0	20L434N0	20L439N0	20L440N0	20L455N0	20L457N0	20L458N0	20L459N0	20L446N0
P	20L444P0	20L448P0	20L445P0	20L454P0	20L433P0	20L434P0	20L439P0	20L440P0	20L455P0	20L457P0	20L458P0	20L459P0	20L446P0
R	20L444R0	—	20L445R0	—	20L433R0	—	20L439R0	—	20L455R0	—	20L458R0	—	20L446R0

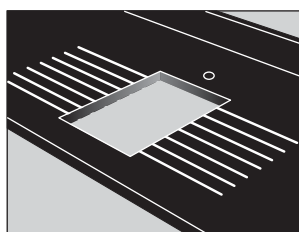
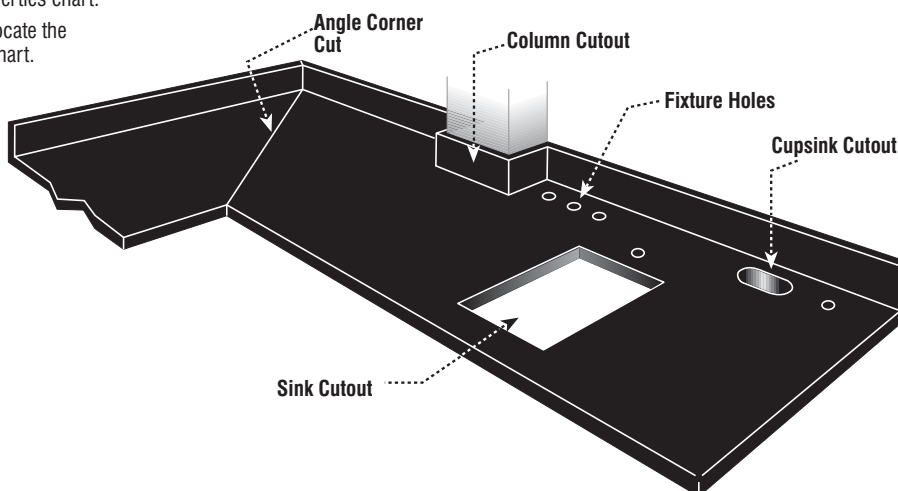
For ordering 1-1/4" (3.1 cm) thick tops for all Hamilton Scientific base cabinets and C-frame assemblies

	Self-Band Hi-Press. Plastic Laminate With Butt Curb	Self-Band Hi-Press. Plastic Laminate With Form Curb	Self-Band Hi-Press. Chemsurf® With Butt Curb	Self-Band Hi-Press. Chemsurf® With Form Curb	Waterfall Hi-Press. Plastic Laminate With Butt Curb	Waterfall Hi-Press. Plastic Laminate With Form Curb	Waterfall Hi-Press. Chemsurf With Butt Curb	Waterfall Hi-Press. Chemsurf® With Form Curb	3MM Edge Banding Hi-Press. Plastic Laminate With Butt Curb	3MM Edge Banding Hi-Press. Plastic Laminate With Form Curb	3MM Edge Banding Hi-Press. Chemsurf® With Butt Curb	3MM Edge Banding Hi-Press. Chemsurf® With Form Curb	Epoxy Resin* Butt Curb
Curb Per Lin Foot	22L07300	—	22L07400	—	22L07300	—	22L07400	—	22L09400	—	22L09500	—	22L25000
Top Per Sq. Foot	20L441I0	—	20L442I0	—	20L428I0	—	20L430I0	—	20L435I0	—	20L437I0	—	20L202I0
Top A	20L441A0	20L429A0	20L442A0	20L443A0	20L428A0	20L427A0	20L430A0	20L432A0	20L435A0	20L436A0	20L437A0	20L438A0	20L202A0
B	20L441B0	20L429B0	20L442B0	20L443B0	20L428B0	20L427B0	20L430B0	20L432B0	20L435B0	20L436B0	20L437B0	20L438B0	20L202B0
C	20L441C0	20L429C0	20L442C0	20L443C0	20L428C0	20L427C0	20L430C0	20L432C0	20L435C0	20L436C0	20L437C0	20L438C0	20L202C0
D	20L441D0	20L429D0	20L442D0	20L443D0	20L428D0	20L427D0	20L430D0	20L432D0	20L435D0	20L436D0	20L437D0	20L438D0	20L202D0
E	20L441E0	—	20L442E0	—	20L428E0	—	20L430E0	—	20L435E0	—	20L437E0	—	20L202E0
F	20L441F0	—	20L442F0	—	20L428F0	—	20L430F0	—	20L435F0	—	20L437F0	—	20L202F0
G	20L441G0	—	20L442G0	—	20L428G0	—	20L430G0	—	20L435G0	—	20L437G0	—	20L202G0
H	20L441H0	—	20L442H0	—	20L428H0	—	20L430H0	—	20L435H0	—	20L437H0	—	20L202H0
J	20L441J0	20L429J0	20L442J0	20L443J0	20L428J0	20L427J0	20L430J0	20L432J0	20L435J0	20L436J0	20L437J0	20L438J0	20L202J0
K	20L441K0	—	20L442K0	—	20L428K0	—	20L430K0	—	20L435K0	—	20L437K0	—	20L202K0
L	20L441L0	—	20L442L0	—	20L428L0	—	20L430L0	—	20L435L0	—	20L437L0	—	20L202L0
M	20L441M0	—	20L442M0	—	20L428M0	—	20L430M0	—	20L435M0	—	20L437M0	—	20L202M0
N	20L441N0	20L429N0	20L442N0	20L443N0	20L428N0	20L427N0	20L430N0	20L432N0	20L435N0	20L436N0	20L437N0	20L438N0	20L202N0
P	20L441P0	20L429P0	20L442P0	20L443P0	20L428P0	20L427P0	20L430P0	20L432P0	20L435P0	20L436P0	20L437P0	20L438P0	20L202P0
R	20L441R0	—	20L442R0	—	20L428R0	—	20L430R0	—	20L435R0	—	20L437R0	—	20L202R0

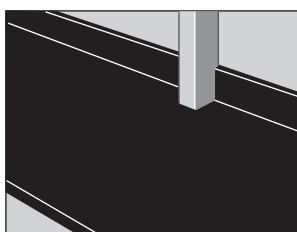
* Product number indicates black epoxy resin – ten additional colors are available on special order.

Ordering Work Surfaces with Custom Fabrication

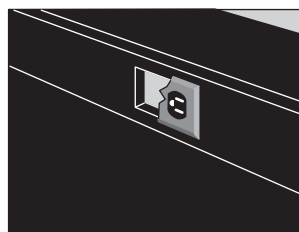
1. Select a work surface configuration from drawings A through R on page 101.
2. Select a work surface material from the Performance Properties chart.
3. Using the configuration letter and work surface material, locate the ordering number on the Work Surface Product Numbers chart.
4. Select the appropriate product number for each custom fabrication item from the chart below.
5. To order, list the total quantity of each custom fabrication item followed by its corresponding product number for each individual work surface.
6. Orders for work surfaces with custom fabrication must be accompanied by drawings showing the size and location of each custom fabrication item.



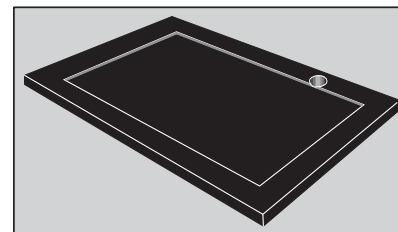
Drainboard Grooves (Epoxy Resin only)



Upright Notch (Epoxy Resin only)



Flush Electric Cutout

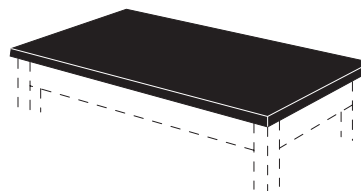


Vent Holes (Epoxy Resin only)

Custom Fabrication Items

Fabrication Item	Chemsurf® and High-Pressure Laminate	Epoxy Resin
Sink Cutout	20L91610	20L91910
Sink Cutout, Rabbited	—	20L91990
Cupsink Cutout	20L91620	20L91920
Column Cutout	20L91630	20L91930
Vent Hole	—	20L91940
Flush Electric Cutout	20L91650	20L91950
Drainboard Groove (ea.)	—	20L91960
Upright Notch	—	20L91970
Fixture Hole	20L91680	20L91980
Angle Cut	20L91690	20L90590

Chemsurf® is a registered trademark of Ralph Wilson Plastics.

Utility Table Tops

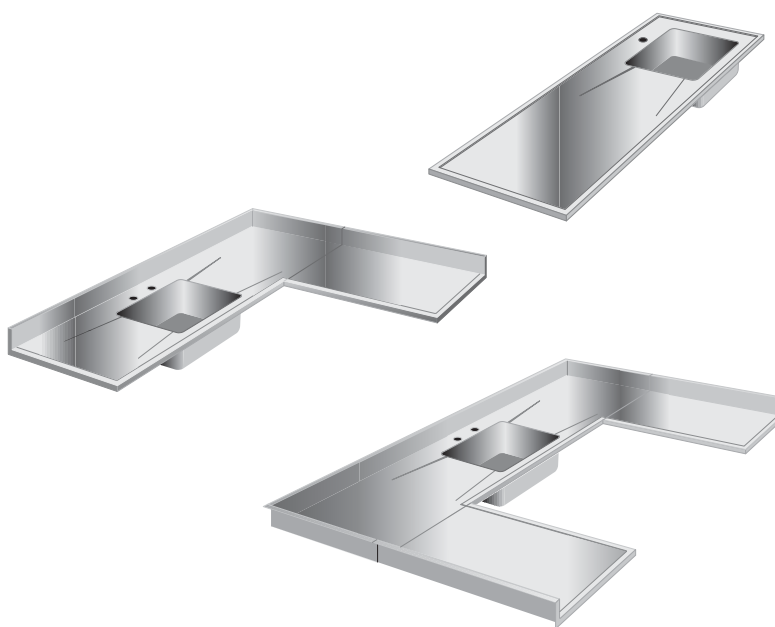
- 1" Thick black Chemsurf
- Additional colors available on special order

24" (60.9 cm) Deep	30" (76.2 cm) Deep	36" (91.4 cm) Deep	42" (106.7 cm) Deep	48" (121.9 cm) Deep	Width
21L2430C	21L3030C	—	—	—	30" (76.2 cm)
21L2436C	21L3036C	—	—	—	36" (91.4 cm)
21L2442C	21L3042C	—	21L4242C	—	42" (106.7 cm)
21L2448C	21L3048C	21L3648C	21L4248C	21L4848C	48" (121.9 cm)
21L2454C	21L3054C	21L3654C	21L4254C	21L4854C	54" (137.1 cm)
21L2460C	21L3060C	21L3660C	21L4260C	21L4860C	60" (152.4 cm)
21L2465C	—	—	—	—	65" (165.1 cm)
21L2466C	21L3066C	—	21L4266C	21L4866C	66" (167.6 cm)
21L2472C	21L3072C	21L3672C	21L4272C	21L4872C	72" (182.8 cm)
21L2490C	—	—	—	—	90" (228.6 cm)

Stainless Steel Work Surfaces

Hamilton Scientific offers a complete selection of stainless steel work surfaces which offer a practical solution for high moisture areas, infection control considerations, radioisotope work and areas that are subject to fire and high abrasion.

See the Hamilton Scientific "Stainless Steel Laboratory Furniture and Equipment" product specification catalog for a complete selection of stainless steel work surfaces.

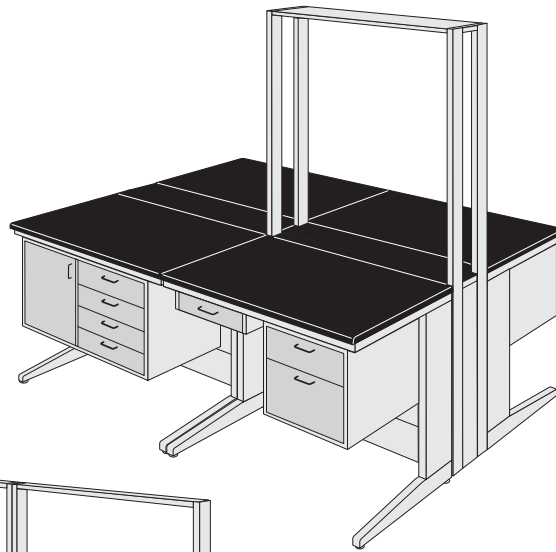


Adaptable Furniture Systems

A wide variety of MAX/Lab Furniture System support structures and components are available to create workstations for the laboratory on the move, designed to be easily disassembled and relocated without relying on attachment to the building structure.

MAX/Mobile Modular workstations are constructed with modular components fastened together to form freestanding structures. The assemblies are not built-in with fillers and scribes commonly used with permanent casework installations. Mobile assemblies can be used with overhead service delivery modules to minimize floor penetrations.

MAX/Wall Technical Wall System satisfies the need for a reconfigurable, demountable and moveable full height wall system designed around a laboratory utility core. MAX/Wall is a true full-height, floor-to-ceiling partition wall system featuring wall and door panel frames available with or without window components. Create a lab within a lab and isolate specific areas. MAX/Wall provides the interior space to run service lines and the structural capability to support adjustable height laboratory furniture components.



MAX/Lab®



MAX/Mobile®



MAX/Wall®

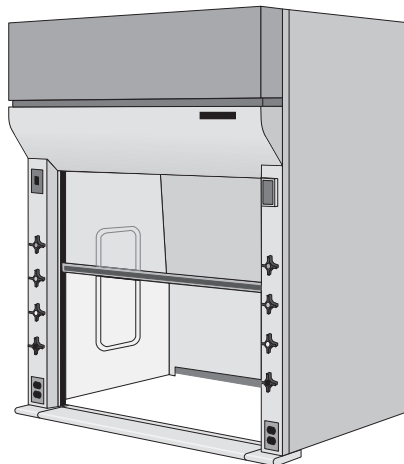
Laboratory Fume Hoods

Each feature of the Hamilton Scientific laboratory fume hood has been carefully designed, engineered and tested to ensure dependable performance.

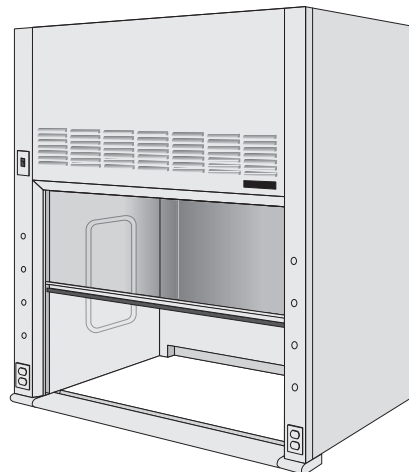
Many fume hood features are Hamilton exclusives – the result of years of experience in engineering this quality product for its critically important laboratory role. We urge you to compare the Hamilton Scientific fume hood with any competitive product. Component by component. Feature by feature. We believe you will conclude that Hamilton Scientific clearly represents the best fume hood investment for your lab.

Refer to the Hamilton Scientific Laboratory Fume Hoods Product Specification Catalog for complete fume hood offerings.

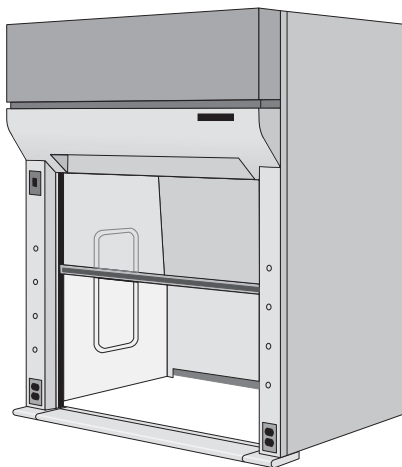
Refer to the appropriate Hamilton Project Planning Guide (Industrial, for example) for assistance in choosing the optimum components for your lab.



Concept®



SafeAire II®



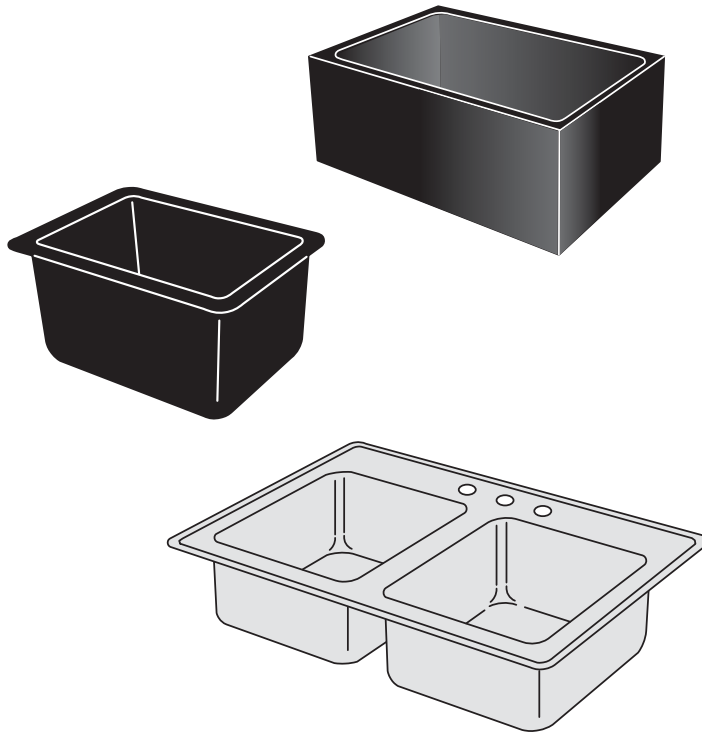
Pioneer®

Sinks

Hamilton Scientific offers drop-in and self-rimming sinks in a variety of configurations and materials.

A variety of accessories, including troughs, supports and pegboards, are also available.

*Refer to the Hamilton Scientific
Fixtures & Accessories Product
Specification Catalog for
complete sink offerings.*



- Single- and Double-Compartment Stainless Steel
- Epoxy Resin Under-counter and Drop-in
- Drop-in Polyolefin
- Supports
- Cupsinks
- Pegboards

Service Fixtures

Complete your laboratory equipment selections with WaterSaver™ water faucets and service valves.

Watersaver fixtures are available in traditional chrome-plated or stylish ColorTech™ white powdercoat finish.

Refer to the Hamilton Scientific Fixtures & Accessories Product Specification Catalog for detailed information on Hamilton service fixtures, fittings and miscellaneous plumbing fixtures.



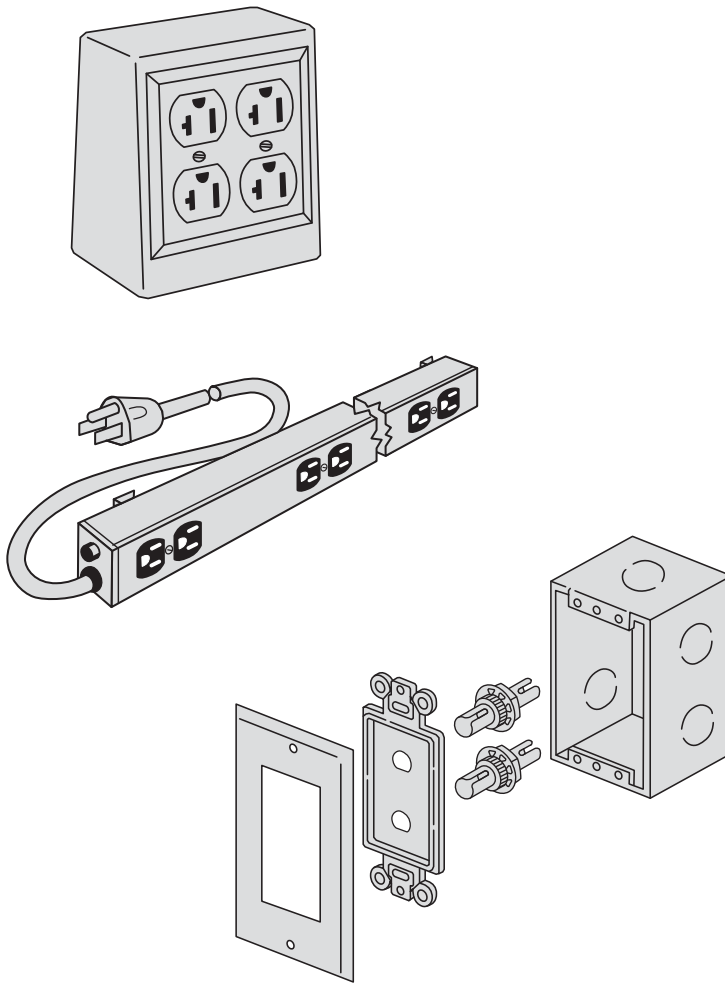
- Service Valves and Accessories
- Single-Service and General Mixing Water Faucets
- Service Fixtures for Distilled and Deionized Water
- Faucet Accessories
- Vandal-Resistant Service Valves and Faucets
- Fume Hood Service Fixtures
- Brass, Stainless Steel, Glass, Polyethylene and Modified Epoxy Resin Fittings
- Miscellaneous Plumbing Fixtures

Electrical Equipment and Data

Quality electrical equipment is critical to the safe operation of your lab.

A wide variety of power and data delivery components are available to select from.

*Refer to the Hamilton Scientific
Fixtures & Accessories Product
Specification Catalog for our
complete offering of electrical
equipment.*



- Outlets
- Plug-in Strips
- Data Jacks
- Switches and Pilot Lights

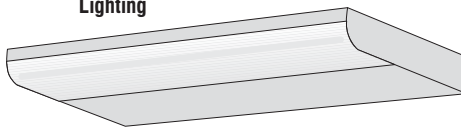
Accessories

Accessories enhance the safety, efficiency and service of your lab and permit smoother execution of laboratory procedures.

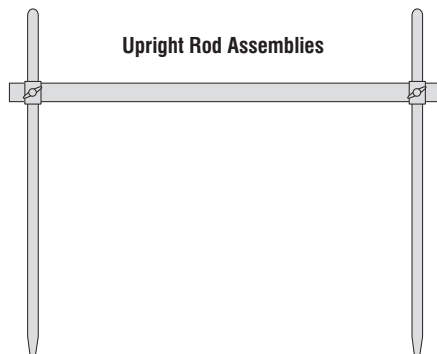
Manufactured with the same attention to quality as our cabinets, work surfaces and sinks, these accessories are designed to provide years of dependable service.

Refer to the Hamilton Scientific Fixtures & Accessories Product Specification Catalog for detailed information about the many accessories we offer.

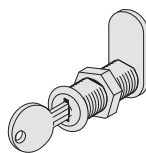
Lighting



Upright Rod Assemblies



Locks

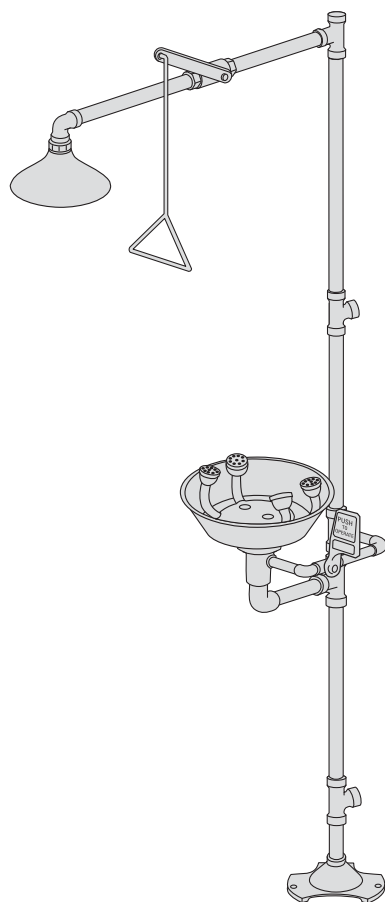


- Burette Rods
- Clamps
- Greenlaw Arms
- Upright Rods
- Drawer Dividers
- Number Plates
- Locks
- Coved Base Molding
- Task Lighting

Safety Equipment

Hamilton Scientific considers safety the number one priority for every lab. Our goal is to provide safety equipment that's convenient and easy to use.

Refer to the Hamilton Scientific Fixtures & Accessories Product Specification Catalog for our complete line of safety equipment and accessories.



- Eye/Face Washes
- Drench Hoses
- Body Washes

Specifications and Index

This section includes a short form Product Specification and the catalog index.

The index lists components and accessories both by part number and by description. Use the numeric index if you already know the product number of the item you wish to look up. If you are interested in a general type of product, use the alphabetical index.

For even more solutions to your laboratory needs, refer to the wide array of literature available from Hamilton. See page 2 for a complete listing which includes Product Brochures, Product Specification Catalogs, Project Planning Guides and Market Brochures.

Short Form	
Specifications	p. 114–115
Specifications	
SEFA Profile	p. 116–123
Index	p. 124–134

Specifications - Short Form**A. Materials**

1. **Sheet steel:** cold-rolled furniture stock.
2. **Glass for glazed swinging and sliding doors:** 7/32" thick clear float glass.

B. Performance

1. Structural performance requirement: casework components shall withstand the following maximum loads without damage to the component or to the casework operation:
 - a. Steel base unit load capacity: up to 500 lbs. per lineal foot suspended across cabinet ends.
 - b. Suspended units: 300 lbs.
 - c. Utility tables (4 legged): 300 lbs.
 - d. Drawers in a cabinet: 125 lbs. (static) 100 lbs. (dynamic)
 - e. Hanging wall cases: 300 lbs.
 - f. Load capacity for shelves of base units, wall cases and tall cases: 100 lbs.

C. Construction

1. All members die-formed, notched, assembled in fixtures; exposed welds polished smooth; face corner intersections of vertical and horizontal members in same plane, with joints welded and polished; doors and drawer heads in same plane.
2. **Gauges**
 - a. Drawer bodies and heads*, shelves, interior door panels, security panels, and sloping tops—20 gauge
 - b. Ends, backs, case tops and bottoms, bases, exterior door panels, and vertical post—18 gauge
 - c. Top front and intermediate rails, gussets, table legs, frames, leg rails, and stretchers—16 gauge
 - d. Drawer suspensions, door and case hinge reinforcements, and L-shaped front corner gussets 14 gauge
 - e. Table leg corner brackets and leveler gussets—11 gauge
3. Base cabinets, three and four-foot with cupboards to open full width; center support posts not acceptable.
 - a. End panels and back, formed of one-piece, wraparound design; rear internal reinforcing channel with shelf-clip adjustment holes; front post to provide for rails, runs, hinges, and shelf clips; toe base structurally integral to cabinet body.
 - b. Top front rail to interlock and overlap end panels with rabbeted offset for dust resistance.
 - c. Horizontal intermediate cross rails required for locks, recessed and concealed.
 - d. All floor-mounted cabinets supported on four leveling screws adjustable from access in toe base; cupboard back access panels, when selected, removable with simple tools.
 - e. Drawer bodies of welded construction with cove at bottom sides and flanged at topsides for hand grip; suspension with rounded raceways and radiused, nylon-

tired, ball-bearing rollers for self-centering operation; suspension to lock open, with automatic close last five inches; cushioned stop, in and out; drawer heads* finished on all surfaces before assembly; sound-deadening material in head; friction centering springs not acceptable.

- f. Bottoms of solid-panel, one-piece construction, front-formed for door and drawer dust resistance; holes or capped punch-outs for leveling screw access not acceptable.
4. Wall cases, 25", 31" and 37" high, formed of one-piece, wrap-around design, with rear internal reinforcing channels containing shelf clip adjustment holes.
5. Upper and tall cases, with solid backs, welded, recessed 3/4"-in for mounting.
 - a. Bottoms, one piece, turned-up back and sides; front to fit door configuration and type.
 - b. Doors*, solid panel, with inner and outer heads protected from corrosion, structurally rigid with hat-channel reinforcement and sound deadening.
 - c. Unframed doors, 7/32" thick float glass with ground edges, set in extruded aluminum shoe with integral pulls and wheel assemblies; slides in top and bottom extruded aluminum track.
 - d. Framed glazed doors with 7/32" thick float glass set in plastic molding; solid exterior frame with all corners welded*; interior frame members screwed in place.
6. **Table frames**
 - a. Table frames, 4-1/2" high, formed into C-channel shape; drawers, where specified, to be same as standard unit drawer and operate in drawer suspensions mounted in table frame.
 - b. Leg corner bracket to be welded construction with bolted attachment of leg to apron, using two bolts per leg corner; table legs, 2" square, with recessed leveling bolt with bottom flange and coved rubber or vinyl leg shoe; leg rails and stretchers, channel formed and supplied only where specified.

D. Hardware

1. Base molding, 4" high, black rubber or vinyl
2. Leg shoes, black rubber or vinyl with provisions for floor clip.
3. Hinges*, 2-1/2", 5-knuckle, stainless steel, screw attachment; welded hinges not acceptable
4. Friction catches, nylon-roller type, adjustable, with strike.
5. Elbow catch, spring-type, with strike.
6. Locks*, 5-disc tumbler, heavy-duty cylinder type; dull nickel- (satin) plated, stamped with identifying number.
7. Label holders, * 1-1/2" x 2-1/2" steel, satin chrome-plated; attached with screws; stick-on holders not acceptable.
8. Number plates, anodized aluminum, black numerals.
9. Grills, expanded metal, black finish.
10. Shelf clips, die-formed steel, zinc plated.

*Optional components are available. Change specification language when optional components are to be substituted.

11. Pulls,* extruded aluminum, clear anodized finish.
12. File drawers, full extension suspension.

E. Finish

1. Metal preparation prior to application of finish, consisting of multiple-step process:
 - a. Cleaner/phosphate spray
 - b. Water rinse
 - c. Passivating sealant spray
2. Parts to be dried at elevated temperatures and cooled prior to application of finish; finish to be applied in powder form, electrostatically charged, to all interior and exterior channel surfaces to an average thickness of 1.5 mils; immediately after application, coated surfaces to be baked in high-temperature, continuous ovens to provide uniform curing for abrasion and chemical resistance as required for service in laboratory environment.

F. Standard Steel Colors

PW	Petal White
SW	Shell White
CH	Chameleon
KK	Khaki
DK	Dark Khaki
BK	Black
PM	Piedmont Green
HG	Hunter Green
PL.....	Platinum
SA.....	Sand
SS.....	Sandstone
BS	Blue Slate
BL.....	Blue
IN	Indigo
BD	Brown Burgundy
G1	Dove Gray
G3	Gray Slate
PA.....	Purple

*Chemsurf is a registered trademark of Ralph Wilson Plastics.

G. Vacuum Pump Storage Cabinet

Casework Design Requirements

Flush Construction

Surfaces of doors, flush panel faces shall align with cabinet fronts without overlap of case ends or top rail. Horizontal and vertical case shell members (panels and top rails) shall meet in the same plane without overlap, cracks or crevices.

Slimline Styling

Front width of end panels and top rail is 3/4".

Self-Supporting Units

Completely welded shell assembly without applied panels at ends, backs or top panel, so cases can be used interchangeably or as a single stand-alone unit.

Interior of Case Units

Acoustically treated sides, back and top panel with sound deadening materials. Base cabinets, 30" and wider, with double swinging doors shall provide full access to complete interior without center vertical post.

Vacuum Pump Cabinet Fabrication

- A. Vacuum pump storage to provide a means to store and vent vacuum pumps and their emissions and heat loads.
- B. Vacuum pump cabinet shall have hinged doors with integral toe space without a cabinet bottom. Vacuum pump cabinet shall have removable back panel(s) for utility access and visual inspection. Back panel shall incorporate an integral 2-1/2" vent hole for a separate vent assembly.
- C. Vacuum pump cabinet shall incorporate acoustical insulation on the interior door panels, side, back and underside of the top panel. Insulation shall be an open cell foam of conal design.
- D. Storage unit shall incorporate an integral electrical switch (120V, 20 amp) with pilot light to indicate the operational mode of the vacuum pump unit.
- E. Storage unit shall have an electrical duplex outlet, located in the rear of the cabinet, for the vacuum pump plug end. Outlet to be accessible from the inside of the cabinet. Outlet shall be hard-wired to the electrical switch.
- F. Separate mobile platform shall be capable of supporting 300lbs. Front two casters shall be locking/swivel models. Lipped construction shall safely contain any incidental spills.

Specifiers Options

- G. Optional door louvers will be incorporated when the exhaust fan is specified.
- H. Switch shall be supplied with an optional 20' long, 1/2" trade size flexible metal conduit.
- I. Optional variac voltage transformer (mounted in flush panel) shall be factory installed in the flush front panel to provide a variable voltage source for instrumentation. Variac shall include a metal enclosure, cover plate, toggle switch, duplex electric receptacle, fuse holder and pilot light. Electrical input 120VAC, 50/60Hz – output 140VAC, 10AMP Variac will be supplied with a 20' long, 1/2" trade size flexible metal conduit.
- J. An optional 235cfm exhaust fan will be supplied for greater heat loads. The exhaust fan assembly will be attached to the exterior of the cabinet for maximum pump storage and airflow. The fan assembly shall incorporate a 4" diameter duct collar connection. Connection to the building HVAC exhaust by others.
- K. Vacuum pump cabinet nominal dimensions:
Width – 24", 30", 36", 48"
Depth – 25" with electric junction box
29-5/8" with exhaust fan housing
Height – 35.166"
- L. Mobile pump platform nominal dimensions:
Width – 21", 27", 33", 45"
Depth – 17.863"
Height – 5.750"

*Optional components are available. Change specification language when optional components are to be substituted.

ENVIRONMENTAL COMPLIANCE**1. Recycled Steel Content for Laboratory Casework**

All steel used in the product fabrication shall comply with the LEED II (Leadership in Energy and Environmental Design) Green Building Rating System. The manufacturer must submit documentation (i.e. "Source of Materials", Invoices, Third Party Validation, etc.) for steel purchased for this project providing recycled content. Such documentation shall be submitted to the Owner Representative/Architect for approval prior to award of contract.

- A. Sheet Steel:** All "Cold Rolled" sheet steel used in the fabrication of laboratory cabinets, fumehoods and modular laboratory systems shall have a minimal of 20% recycled steel content.
- B. Recycled Steel Content:** Of this 20% recycled content, 60% shall be purchased scrap (i.e. old cars, appliances) with the remaining 40% from generated in-house scrap and manufacturing fall-off.
- C. Fabricators Scrap:** Fabricators shall provide documentation that manufacturing fall-off is recycled to respective steel mills and does not enter the solid waste system and/or become a product of land fill space.

2. Finish for Steel Laboratory Products

All Steel Laboratory Products shall utilize a dry powder coat paint process by means of electrostatically spray, providing high-transfer efficiency low waste generation. Any liquid-applied coatings **shall not** be acceptable. Manufacturer shall supply documentation that waste generated during the painting process, is a solid, non-hazardous material.

- A. Pretreatment:** Finish process shall incorporate a phosphate conversion coating during the pretreatment/cleaning operation. Electrostatic application of dry powder shall follow. Coated parts shall pass through curing ovens, which shall cause the powder to melt, flow, gel, cure and bond onto the phosphatized steel substrate.
- B. Chemically Resistance Finish:** Only highly chemically resistant, dry powder coated finishes that passes the SEFA 8 casework specifications for chemical and durability resistance, will be acceptable. A letter from a third-party validator, verifying independent test results, shall be submitted to the Owner Representative/Architect for approval - at time of bid submittal.
- C. Operator Protection:** The application is convenient and easily mastered through robotic application plus manual detailing. The painting process is cleanly contained and has no solvent odor and is performed in an air-conditioned room.

D. Overspray Powder Paint: Shall be captured and resprayed. Efficiency shall be 99% effective in coating usage, reducing waste generation. A closed collection system shall be utilized for overspray that is not reused. Powder overspray, which can not escape the facility, is collected in bulk, eliminating the need for daily replacement/disposal of filter media.

- E. VOC Emissions:** Powder paint shall be sprayed and baked with a near zero (.29 lbs per gallon maximum) VOC (Volatile Organic Compounds) emissions.
- F. Offgasing:** After all steel powder coated parts have cooled from the curing ovens, the coating shall be firm and stable. **No further emissions** or "Offgasing/Decomposition" vapors shall occur at room temperature.

Laboratory Furniture/Casework, Shelving & Tables/Recommended Practices/SEFA 8

SEFA Profile

The Scientific Equipment and Furniture Association (SEFA) is a voluntary international trade association representing members of the laboratory furniture, casework, fume hood and related equipment industry. The association was founded to promote this rapidly expanding industry and to improve the quality, safety and timely completion of laboratory facilities in accordance with customer requirements. **All Hamilton Scientific steel laboratory furniture and equipment is in full compliance with the SEFA 8 Metal 2010.**

4.0 Base Cabinets

4.1 Description of Test Cabinet

The base cabinet shall be a combination of *cupboard* and *drawer* per Figure 1. The base cabinet shall have *nominal dimensions* of 48" (1,219.2mm) wide, 36" (914.4mm) high, and 22" (558.8mm) deep. The drawer shall be above the cupboard, full-width and approximately one-fourth the height of the cabinet's face opening. Cupboard shall be double-door design and provide *unobstructed entry* into the cabinet interior with the doors open. The unit shall contain one adjustable shelf. The cabinet back shall be the removable type (per manufacturer's standard design as used for access to the plumbing or chase area) with the removable panel removed.

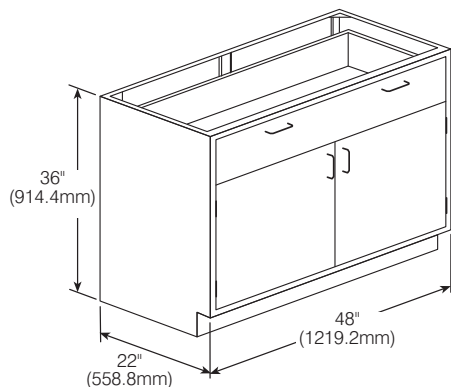


Figure 1 Description of Test Base Cabinet

The cabinet shall be *free standing*, squared and leveled and sitting 1" (25.4mm) off the floor on all four *leveling screws*. When leveling screws are not required, the cabinet shall be squared and leveled and sitting 1" (25.4mm) off the floor atop four hardwood corner blocks 2" (50.8mm) square and 1" (25.4mm) 37-50 pcf *medium density fiberboard* shall be positioned on the cabinet without glue or fasteners of any kind. The top dimensions will be such that it will overhang the cabinet perimeter by 1" (25.4mm). Its weight shall be included in the test as live load.

Before conducting the test, a visual examination shall be conducted to verify that the unit configuration and setup

conditions are appropriate. Operate *doors* and *drawers*. Doors should be free moving and *latch* properly. Inspect the unit for dimensions and note the fit of doors and drawers to the cabinet body. Open and close the drawer. The drawer should be free moving and function as specified by the manufacturer. Discontinue evaluation if unit is not in compliance or if malfunction is noted.

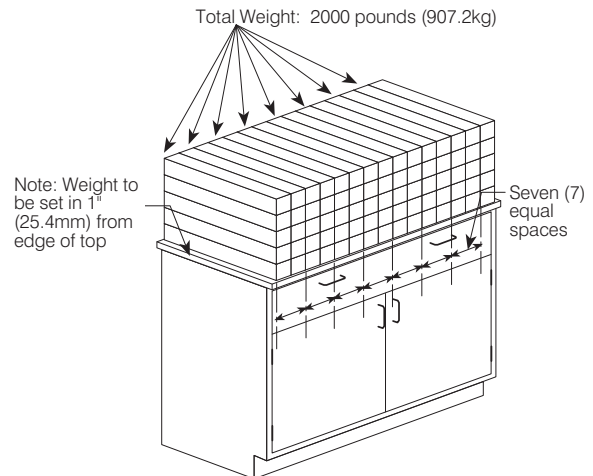


Figure 2 Cabinet Load Test Configuration

4.2 Cabinet Load Test

4.2.1 Cabinet Load Test

The cabinet load test will challenge the structural integrity and load bearing capability of the cabinet construction. This test will demonstrate the ability of the cabinet to support heavy applied loads. This is not intended to test the functional characteristics of the cabinet under heavy loads.

4.2.2 Test Procedure

Verify that the cabinet is level. Load the cabinet top by using 2000 pounds (907.2kg) of solid steel bars (per Section No. 3.1) stacked five high and spaced per Figure 2. After ten minutes, unload the cabinet.

4.2.3 Acceptance Level

The cabinet will have no signs of *permanent failure*. After the load is removed, inspect the *levelers*. Any deformation shall not interfere with the function of the leveling system.

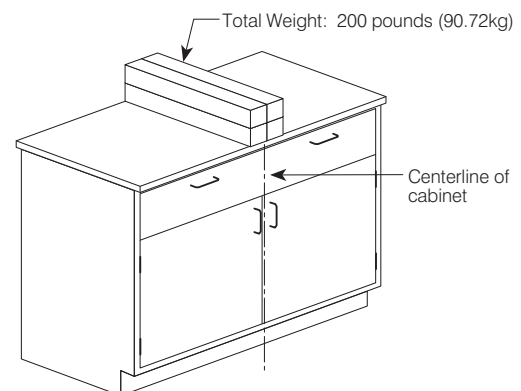


Figure 3 Base Cabinet Concentrated Load Test

4.3 Cabinet Concentrated Load Test

4.3.1 Purpose of Test

The purpose of this test is to challenge the functional characteristics of the cabinet when subjected to a concentrated load on the center of the cabinet top.

4.3.2 Test Procedure

Using solid weights or 10 pound (4.54kg) sand bags (per Section No. 3.1), Apply a total of 200 pounds (90.72kg) to the top of the cabinet along the cabinet centerline (See Figure 3). Operate doors and drawers.

4.3.3 Acceptance Level

Door and drawer operation shall be normal under condition of test load. There shall be no signs of permanent distortion to front rail, cabinet joinery, doors, or drawers.

4.4 Cabinet Torsion Test

4.4.1 Purpose of Test

This test will evaluate the structural integrity of the cabinet construction when subjected to a *torsional* load.

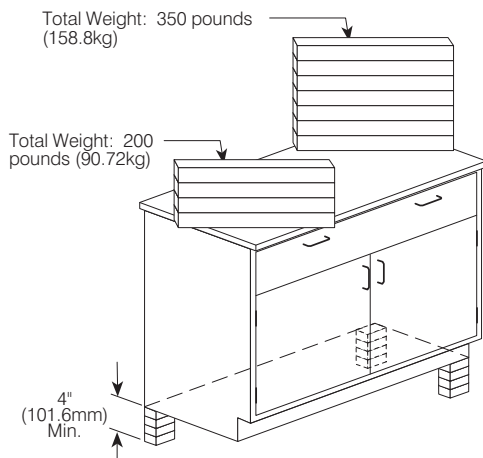


Figure 4 Base Cabinet Torsion Test Procedure

4.4.2 Test Procedure

The cabinet shall be tested in its normal upright position, raised not less than four-inches off the floor and supported on rear and one front corner. The area of support under the cabinet shall be located not more than 6" (152.4mm) in from each supported corner. Secure the cabinet diagonally from the unsupported corner with seven solid steel bars per Section No. 3.1 (350 pounds [158.76kg] of weight, on the top of the cabinet to prevent overturning. Apply four solid steel bars (200 pounds [90.72kg] of weight) to the unsupported corner for a period of fifteen minutes (See Figure 4). Remove weight and place cabinet on the floor in its normal upright position. Observe cabinet *joinery*. Level the cabinet and measure the face and back of the cabinet across the diagonal corners.

4.4.3 Acceptance Level

When returned to normal position, the operation of the cabinet shall be normal, and there will be no signs of *permanent damage*. The difference between the two measurements taken from measuring the diagonal corners shall be no more than 1/8" (3.175mm).

4.5 Cabinet Submersion Test

4.5.1 Purpose of Test

This test will demonstrate the ability of the cabinet to resist standing water. Only units that rest on the floor or a unit where the base is within 2" (50.8mm) of the floor should be subjected to this test.

4.5.2 Test Procedure

The material thickness along the perimeter of the cabinet shall be measured on 6" (152.4mm) increments. Record the thickness of the material to be submerged in water. Calculate the *arithmetic mean* of the data taken. Place the entire test cabinet in its upright position such that the cabinet is submerged in a pan filled 2" (50.8mm) of water. After four hours, remove the unit from the water and immediately measure the thickness of the material at the same points measured initially. Calculate the *arithmetic mean*. After the unit has been allowed to dry, inspect for other damage.

4.5.3 Acceptance Level

The cabinet shall show no signs of *permanent deformation* or deterioration. Increase in thickness shall not exceed four percent on the initial mean measurement.

5.0 Doors

5.1 Door Hinge Test

5.1.1 Purpose of Test

This test will demonstrate the durability of the door and its hardware (hinge leaf, screws, etc.) to an applied load of 200 pounds (90.72kg)

5.1.2 Test Procedure

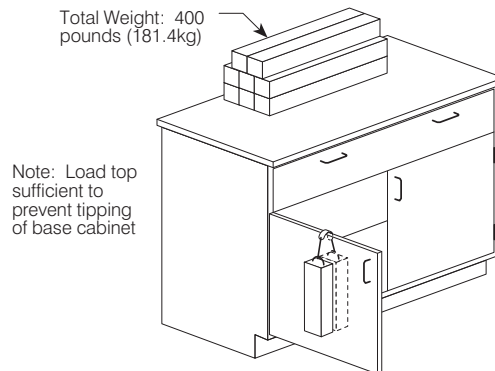


Figure 5a Base Cabinet Door Load Test Configuration

Remove the shelf for this test. With unit and top set as described in Section No. 4.1, add sufficient weight to the top in order to prevent overturning. With cabinet door opened 90-degrees, hang a sling made up of two 100 pound (45.36kg) weights (shot bags or solid weights) over the top of the door at a point 12" (304.8mm) out from the hinge centerline (See Figures 5a and 5b). slowly move door through the full cycle of the hinge, up to a 160-degree arc. Remove weight and swing door through its full intended range of motion and close door.

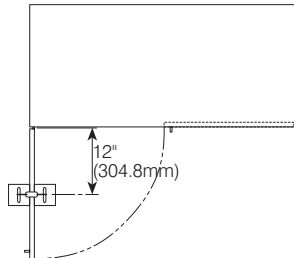


Figure 5b Base Cabinet Door Load Test Configuration

5.1.3 Acceptance Level

The open door shall withstand a load of 200 pounds (90.72kg) when applied at a point 12" (304.8mm) from the hinge centerline without significant permanent distortion. Operation of the door, after test, shall show no significant permanent distortion that will cause binding of the door or hinges or that it will adversely affect operation of the catch*.

**Certain unit configurations require hinge location to be such that load ratings are lower than the test model. See manufacturer for details.*

5.2 Door Impact Test

5.2.1 Purpose of Test

This test will demonstrate the resistance of a 240 inch-pounds (27.1 N-m) impact to the door face. Only units that extend below the *work surface* should be subjected to this test. This test should not be inclusive of glass doors.

5.2.2 Test Procedure

With unit and top set as described in Section No. 4.1, add sufficient weight to the top in order to prevent overturning. A 20 pound (9.07kg) sand bag (per Section No. 3.1) shall be suspended and dropped to provide an impact of 240 inch-pounds (27.1 N-m) at the center of the closed door. (See Figure 6)

5.2.3 Acceptance Level

After the test, the door and catch shall operate normally and show no signs of *permanent damage*.

5.3 Door Cycle Test

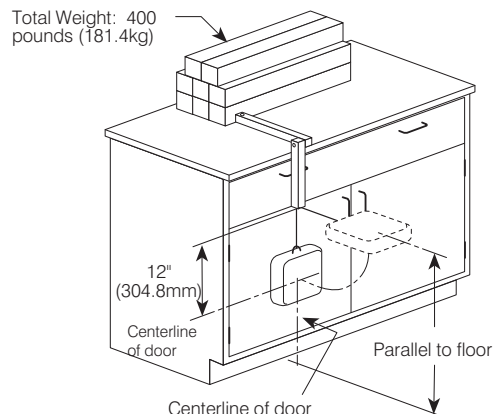


Figure 6 Base Cabinet Door Impact Test Configuration

5.3.1 Purpose of Test

This test will demonstrate the durability of the door hinge hardware to withstand 100,000 cycles as a reliable measure for longevity.

5.3.2 Test Procedure

this test shall be conformance to the ANSI test procedure A156.9, Grade 1, requirements for cycle testing of doors. A cycling mechanism shall swing door 90-degrees. Door shall operate for 100,000 cycles with a speed not greater than 15 cycles per minute.

5.3.3 Acceptance Level

Door shall operate for the full cycle period without deterioration that will significantly affect the function of the door. The door shall operate freely without binding.

6.0 Drawers

6.1 Drawer Static Test

6.1.1 Purpose of Test

This test will demonstrate the durability to support a point load given to the front of the *drawer* and will challenge the attachment of the drawer head to the drawer.

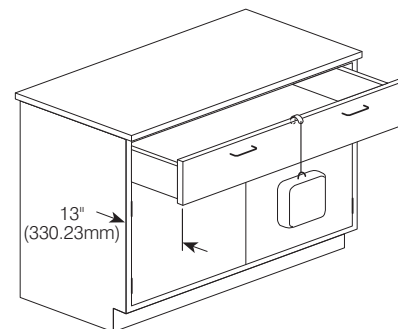


Figure 7 Base Cabinet Drawer Static Load Test Configuration

6.1.2 Test Procedure

With unit and top set as described in Section No. 4.1, add sufficient weight to the top in order to prevent overturning. Open the drawer to 13" (330.2mm) of travel and hang 150 pounds (68.04kg) from the drawer head at the centerline of the drawer for five minutes. (See Figure 7). Remove the weight and operate the drawer through the full cycle.

6.1.3 Acceptance Level

There shall be no interference with the normal operation of the drawer.

6.2 Drawer and Door Pull Test

6.2.1 Purpose of Test

This test will evaluate the strength of the pull and pull hardware.

6.2.2 Test Procedure

Pulls are to be installed in accordance with manufacturer's practice using specified attaching *hardware* and method. Block door and *drawer* closed. Using a cable, pulley and weight assembly (See Figure 8), apply a force of 50 pounds

(22.68kg) perpendicular to each pull. Revise setup to hang weight from each pull. (See Figure 9). Remove weight.

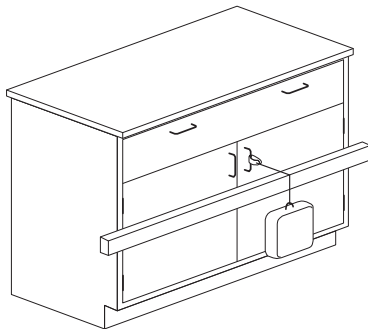


Figure 8 Base Cabinet Door and Drawer Pull Horizontal Load Test Configuration

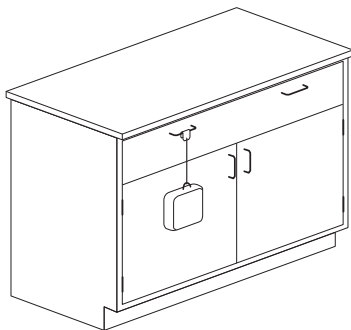


Figure 9 Base Cabinet Door and Drawer Pull Vertical Load Test Configuration

6.2.3 Acceptance Level

Pulls shall resist force and support weight without breakage. After completion of test and removal of weight, there shall be no significant permanent distortion. Some pull designs will require variations to set up apparatus. These pulls shall be tested in conformance to the applied pull forces.

6.3 Drawer Impact Test

6.3.1 Purpose of Test

This test will demonstrate the resistance to impact of the drawer bottom and slide mechanism.

6.3.2 Test Procedure

Open the drawer to 13" (330.2mm) of travel. Drop a 10 pound (4.54kg) sand or shot bag from a height of 24" (609.6mm) into the bottom of a drawer at the center of the width of the drawer and 6" (152.4mm) back from the inside face of the drawer. Remove the sand or shot bag.

6.3.3 Acceptance Level

Operate drawer through full cycle. Drawer shall operate normally. Any deformation will not cause binding or interfere with the operation of the drawer.

6.4 Drawer Internal Rolling Impact Test

6.4.1 Purpose of Test

This test will evaluate the strength of the drawer head, bottom and back as a result of opening and closing the drawer with a

rolling load.

6.4.2 Test Procedure

Position the drawer on a table at a 45-degree angle per Figure 10. Place a 2" (50.8mm) diameter by 12" (304.8mm) long steel rod (approximately 10 pounds (4.54kg) 13" (330.2mm) from the target impact area such that the rod will roll freely to impact the back of a drawer. Subject the back to three impacts and reverse the drawer to subject the front to three additional impacts.

6.4.3 Acceptance Level

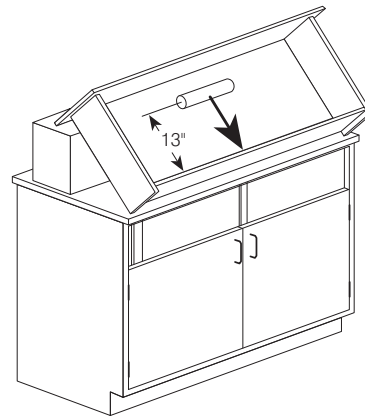


Figure 10 Base Cabinet Drawer Internal Rolling Impact Test Configuration

the drawer shall show no signs (other than minor scratches and dents) of permanent damage. All joinery shall be intact and the drawer, when replaced in the unit, shall operate normally. Minor scratches and dents are acceptable.

6.5 Drawer Cycle Test

6.5.1 Purpose of Test

This test is intended to replicate years of operation of a drawer under full load.

6.5.2 Test Procedure

Laboratory Load – 100 pounds (45.36kg) A static of 100 pounds (45.36kg) (using ten 10-pound [4.54kg] sand bags per Section No. 3.1) shall be *uniformly distributed* in the *drawer*. Measure force required to activate the drawer. Operate from a closed position to within 1/4" (6.35mm) of full extension for 50,000 cycles at a rate not to exceed 10 cycles per minute.

Heavy Duty Laboratory Load – 150 pounds (68.04kg)

A static of 150 pounds (68.04kg) (using fifteen 10-pound [4.54kg] sand bags per Section No. 3.1) shall be *uniformly distributed* in the *drawer*. Measure force required to activate the drawer. Operate from a closed position to within 1/4" (6.35mm) of full extension for 50,000 cycles at a rate not to exceed 10 cycles per minute.

6.5.3 Acceptance Level

The *drawer* shall operate freely without evidence of dragging, rubbing or binding. The force required to open and close loaded drawer shall not be greater than 8 pounds (3.63kg) to activate hardware.*

**The Americans with Disabilities Act (ADA) requires a force no greater than five pounds to activate hardware. The load rating in this document is intended only for testing conditions where loads challenge the durability of the hardware. Under actual conditions, drawer loading should be reduced to levels that result in compliance with ADA as applicable.*

7.0 Drawers

Shelves, regardless of material or application, shall be tested using the following procedure. This is inclusive of shelves in *wall cabinets, counter-mounted cabinets, full-height cabinets, wall-mounted shelves and free-standing shelves*. Typical shelving materials include cold-rolled painted steel, stainless steel, plywood, high pressure laminate on composition core and high pressure laminate as a solid composite panel. Typical thicknesses are 3/4" (19.05mm) or 1" (25.4mm) for most applications. Values given are based on laboratory tests and fall within a normal range of properties for typical materials. Actual results may vary. Use this data as a guideline only. Other factors that should be evaluated when selecting shelving include chemical resistance, impact resistance, color and appearance, abrasion resistance, cost, and support requirements. Consult with the manufacturer for assistance with these other criteria.

7.1 Shelf Load Test

7.1.1 Purpose of Test

This test will demonstrate the ability of a shelf and its mounting hardware to support normal laboratory loads.

7.1.2 Test Procedure

A shelf shall be mounted in the manner in which it is designed. Measure the distance from the underside of the shelf to a reference point perpendicular to the center of the shelf. Use shot or sand bags weighing 10 pounds (4.54kg) each. Unless otherwise specified, load the shelf uniformly to 40 pounds (18.14kg) per square foot shelf area to a maximum of 200 pounds (90.72kg). Measure the deflection on the shelf by measuring the distance to the reference point and calculating the difference between the two measurements. Record data and remove load from the shelf.

7.1.3 Acceptance Level

Different materials will perform differently to the loads applied based on the Modulus of Elasticity for the material and the cross section moment of inertia for the shape of the material. Longer shelves will support less loads than shorter shelves. The allowable maximum deflection of a shelf is 1/180 of the span and not in excess of .25" (6.35mm). The following formula may be used to calculate the approximate deflection expected from a uniformly distributed load:

$$D(\text{max.}) = 5W L^3 / 384 E I$$

WHERE:

D = Deflection in inches (Maximum 1/180 span, not to exceed .25 (6.35mm).

W = (Design Load) x (Shelf Depth in Inches) x (Shelf Span in Inches).

(Design Load = 40 pounds (18.14kg) / square foot divided by 144)

"W" shall not exceed .200 pounds (90.72kg).

L = Span between supports in inches.

E = Modulus of elasticity

Steel = 29×10^6 psi 1-M-2

Particleboard, with Hardwood Veneer 2s = 640,000 psi

D. Fir Veneer Core Plywood = 950,000 psi

1-M-2 Particleboard with high pressure plastic laminate 1/32" two sides with rigid glue line = 950,000 psi

Epoxy = 4.46×10^6 psi

Solid Composite Panel = 1.7×10^6 psi

I = Cross section moment of inertia.

8.0 Cabinet Surface Finish Tests

8.1 Chemical Spot Test

8.1.1 Purpose of Test

The purpose of the chemical spot test is to evaluate the resistance a finish has to chemical spills.

Note: Many organic solvents are suspected carcinogens, toxic and/or flammable. Great care should be exercised to protect personnel and the environment from exposure to harmful levels of these materials.

8.1.2 Test Procedure

Obtain one sample panel measuring 14" x 24" (355.6mm x 609.6mm). The received sample to be tested for chemical resistance as described herein.

Place panel on a flat surface, clean with soap and water and blot dry. Condition the panel for 48-hours at 73+ 3F (23+ 2C) and 50+ 5% relative humidity. Test the panel for chemical resistance using forty-nine different chemical *reagents* by one of the following methods:

Method A – Test volatile chemicals by placing a cotton ball saturated with *reagent* in the mouth of a one-ounce (29.574cc) bottle and inverting the bottle on the surface of the panel.

Method B – Test volatile chemicals by placing five drops of the *reagent* on the surface of the panel and covering with a 24mm watch glass, convex side down.

For both of the above methods, leave the *reagents* on the panel for a period of **one hour**. Wash off the panel with water, clean with detergent and naphtha, and rinse with deionized water. Dry with a towel and evaluate after 24-hours at 73±3°F (23°±2°C) and 50±5% relative humidity using the following rating system:

Level 0 – No detectable change.

Level 1 – Slight change in color or gloss.

Level 2 – Slight surface etching or severe staining.

Level 3 – Pitting, cratering, swelling, or erosion of coating. Obvious and significant deterioration.

Test No.	Chemical Reagent	Test Method
1.	Acetate, Amyl	A
2.	Acetate, Ethyl	A
3.	Acetic Acid, 98%	B
4.	Acetone	A
5.	Acid Dichromate, 5%	B
6.	Alcohol, Butyl	A
7.	Alcohol, Ethyl	A
8.	Alcohol, Methyl	A
9.	Ammonium Hydroxide, 28%	B
10.	Benzene	A
11.	Carbon Tetrachloride	A
12.	Chloroform	A
13.	Chromic Acid, 60%	B
14.	Cresol	A
15.	Dichlor Acetic Acid	A
16.	Dimethylformamide	A
17.	Dioxane	A
18.	Ethyl Ether	A
19.	Formaldehyde, 37%	A
20.	Formic Acid, 90%	B
21.	Furfural	A
22.	Gasoline	A
23.	Hydrochloric Acid, 37%	B
24.	Hydrochloric Acid, 48%	B
25.	Hydrogen Peroxide, 3%	B
26.	Iodine, Tincture of	B
27.	Methyl Ethyl Ketone	A
28.	Methylene Chloride	A
29.	Mono Chlorobenzene	A
30.	Naphthalene	A
31.	Nitric Acid, 20%	B
32.	Nitric Acid, 30%	B
33.	Nitric Acid, 70%	B
34.	Phenol, 90%	A
35.	Phosphoric Acid, 85%	B
36.	Silver Nitrate, Saturated	B
37.	Sodium Hydroxide, 10%	B
38.	Sodium Hydroxide, 20%	B
39.	Sodium Hydroxide, 40%	B
40.	Sodium Hydroxide, Flake	B
41.	Sodium Hydroxide, Saturated	B
42.	Sulfuric Acid, 33%	B
43.	Sulfuric Acid, 77%	B
44.	Sulfuric Acid, 96%	B
45.	Sulfuric Acid, 77% and Nitric Acid, 70%, equal parts	B
46.	Toluene	A
47.	Trichloroethylene	A
48.	Xylene	A
49.	Zinc Chloride, Saturated	B

8.1.3 Acceptance Level

Results will vary from manufacturer to manufacturer.

Laboratory grade finishes should result in no more than four Level 3 conditions. Suitability for a given application is dependent upon the chemicals used in a given laboratory.

8.2 Hot Water Test**8.2.1 Purpose of Test**

The purpose of this test is to insure the coating is resistant to hot water.

8.2.2 Test Procedure

Hot water, 190°F to 205°F (88°C to 96°C), shall be allowed to trickle (with a steady stream and at a rate of not less than 6 ounces (177.44cc) per minute on the surface, which shall be set at an angle of 45-degrees, for a period of five minutes.

8.2.3 Acceptance Level

After cooling and wiping dry, the finish shall show no visible effect from the hot water.

8.3 Impact Test**8.3.1 Purpose of Test**

The purpose of this test is to evaluate the ductility of the coating.

8.3.2 Test Procedure

A one-pound ball approximately 2" (50.8mm) in diameter shall be dropped from a distance of 12" (304.8mm) onto a flat horizontal surface, coated to manufacturer's standard manufacturing method.

8.3.3 Acceptance Level

There shall be no visible evidence to the naked eye of cracks or checks in the finish due to impact.

8.4 Paint Adhesion on Steel Test**8.4.1 Purpose of Test**

The paint adhesion test is used to determine the bond of the coating to steel. This does not apply to non-steel products.

8.4.2 Test Procedure

This test is based on ASTM D2197-86 "Standard Method of Test for Adhesion of Organic Coating". Two sets of eleven parallel lines 1/16" (1.587mm) apart shall be cut with a razor blade to intersect at right angles thus forming a grid of 100 squares. The cuts shall be made just deep enough to go through the coating, but not into the substrate. They shall then be brushed lightly with a soft brush for one minute. Examine under 100-foot candles of illumination.

8.4.3 Acceptance Level

Ninety or more of the squares shall show finish intact.

8.5 Paint Hardness on Steel Test**8.5.1 Purpose of Test**

The paint hardness test is used to determine the resistance of the coatings to scratches.

8.5.2 Test Procedure

Pencils, regardless of their brand, are valued in this way: 8-H is the hardest, and next 11 order of diminishing hardness are 7-H, 6-H, 5-H, 4-H, 3-H, 2-H, H, F, HB, B (soft), 2-B, 3-B, 4-B, 5-B (which are softest).

The pencils shall be sharpened on emery paper to a wide sharp edge (See Figure 11). Pencils of increasing hardness

shall be pushed across the paint film in a chisel-like manner until one is found that will cut or scratch the film. The pencil used before that one, that is the hardest pencil that will not rupture the film, is then used to express or designate the hardness.

8.5.3 Acceptance Level

The paint shall have a hardness of 4-H minimum.

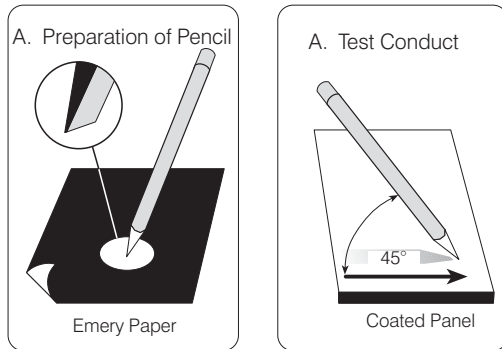


Figure 11 Cabinet Body Surface Hardness Test

9.0 Wall, Counter-Mounted, and Tall Cabinets

9.1 Description of Test

Unit evaluation shall be conducted on a wall mounted cabinet with *nominal dimensions* as follows: 48" (1219.2mm) wide, 30" (762mm) high, and 12" (304.8mm) deep. The *wall cabinet* shall be manufactured to manufacturer's standard construction and practices. The wall cabinet shall have two swinging doors, designed in such a way that when the doors are open, access to the cabinet is unobstructed (See Figure 12). Door loading procedures are outlined under Section 5.0 (Doors). The wall cabinet will be provided with the manufacturer's standard number of shelves. Shelves shall be evaluated per Section 7.0 (Shelves). The unit and shelves shall be mounted in a manner recommended by the manufacturer. A visual examination shall be conducted to verify that the configuration and installation comply with these conditions. Discontinue evaluation if unit is not in compliance or if malfunction is noted.

9.2 Load Test

9.2.1 Purpose of Test

The wall mounted load test will demonstrate the strength of the back of the *wall cabinet* as well as the *joinery* of the cabinet and function of doors when the unit is subjected to loads normally expected for *laboratory furniture*.

9.2.2 Test Procedure

Using sand or shot bags weighing 10 pounds (4.54kg) each, load cabinet bottom, each shelf, and top uniformly with 40 pounds (18.14kg) per square foot to a maximum of 200 pounds (90.72kg) each. Maximum load to any cabinet shall not exceed 600 pounds (272.16kg), – a maximum of 200 pounds (90.72kg) loaded to each bottom, a minimum of one shelf loaded per Section 7.0, and the top – regardless of the number of shelves.

9.2.3 Acceptance Level

With weights in place, operate doors through full travel to verify normal operation of doors. Remove weights and operate doors to verify normal operation. Verify that there is no significant permanent deflection of cabinet top, cabinet back, cabinet bottom or shelves. After weights are removed, the cabinet shall show no *permanent damage* to the cabinet, cabinet bottom, or shelves.

10.0 Tables

10.1 Description of Test Unit

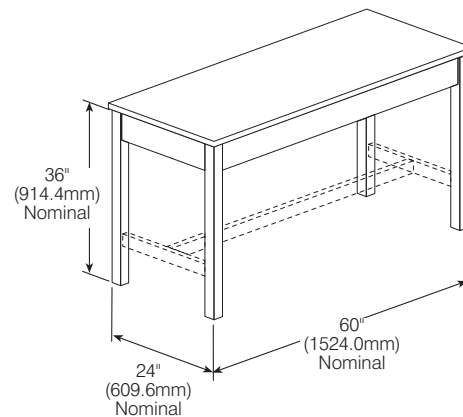


Figure 12 Wall Mounted Cabinet, Description of Test Cabinet Test

The table for evaluation shall be a standing height, four-legged, free-standing table. The table shall be nominally 60" (1,524mm) long, 24" (609.6mm) deep, and 36" (914.4mm) high. (See Figure 13). Leg and apron size and construction shall be to manufacturer's specification. A top of 1" (25.4mm) thick 37-50 pcf *medium density fiberboard* shall be positioned on the table in a manner recommended by the manufacturer. The top dimensions will be such that it will overhang the cabinet perimeter by 1". Its weight shall be included in the test as live load. *Tables* can be represented by a very large range of styles and designs. Products inclusive in this section of testing are: *Free-Standing Tables, Desks, Aprons* mounted between two fixed areas such as a wall or *casework, Mobile Tables* (Free-Standing Tables on wheels or casters), *Mobile Under-Counter Units, Mobile Workstations, Adjustable Tables, Modular Tables, C-Frame Tables, L-Frame Tables, J-Frame Tables*, and *Tables for systems furniture*. These table systems can all be classified as one of three types of tables; Fixed, Free-Standing, and Mobile.

10.2 Table Static Load Test

10.2.1 Purpose of Test

This test will challenge the *table* components to loads that are normal for use in a laboratory.

10.2.2 Test Procedure

Load the table top by using solid steel bars (Per Section 3.1), each weighing 50 pounds (22.68kg), stacked evenly and spaced per Section 14. Load the table to the manufacturer's recommended live load*. These evenly distributed loads

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should be no less than 300 pounds (136.08kg) for mobile, 600 pounds (272.16kg) for free-standing, and 2000 pounds (907.20kg) for fixed. Include the weight of the working surface as live load.

**Table load will vary considerably. Factors impacting live load capability include the size of the table, material, amount of drawers and book compartments, glide or caster load rating. Contact manufacturer for live load specifications.*

10.2.3 Acceptance Level

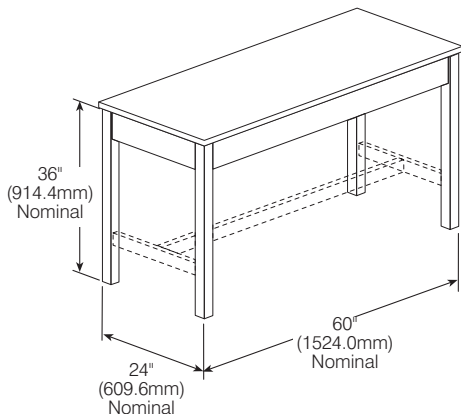


Figure 13 Description of Test Table

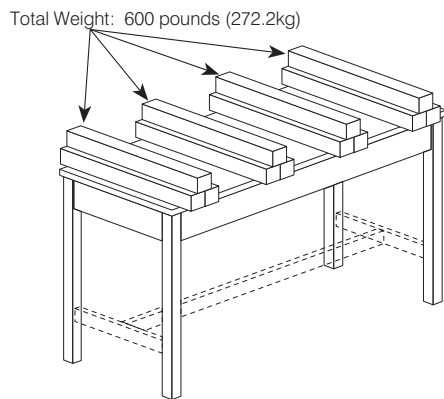


Figure 14 Table Static Load Test Configuration

No structural breakage shall result from application of the load. With the full load, the apron rails shall not deflect more than 1.360 of the span of the table and not to exceed 1/8" (3.175mm). In the case of a table with a drawer, the deflection of the rail shall not interfere with the function of the drawer. After the load is removed, inspect the table for structural damage.

10.3 Table Racking Test

10.3.1 Purpose of Test

This test will demonstrate the structural integrity of the table construction when subjected to a racking load. Most racking

failures occur upon dragging an unloaded table across the floor. The ability of the table to resist a racking load will indicate less damage to the structure. The following tests were based on and adapted from ANSI/BIFMA X5.5-1989 American National Standard for Office Furnishings "Desks Products-Tests." Adjustments have been made to better accommodate the specific applications of tables used in laboratories.

10.3.2 Test Procedure

The table shall be tested in its normal upright position, with floor glides or casters fully retracted and blocked to prevent the table from sliding. The table shall then be positioned at a

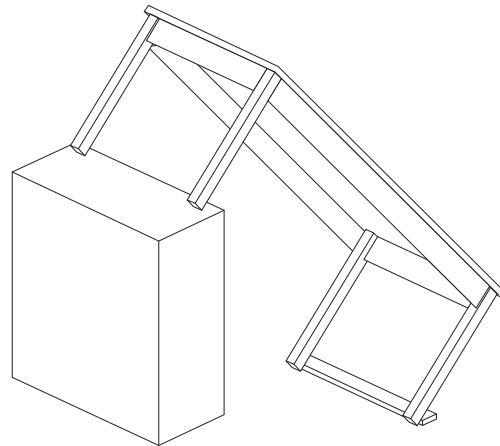


Figure 15 Table Racking Test Configuration

45° angle, with one pair of legs on the floor and the other raised and supported (See Figure 15), the unit shall remain in this position for thirty minutes. The unit shall be lowered without shock to the leveled surface and the general operation of the drawers shall be evaluated. The procedure shall be repeated on the opposite end.

10.3.3 Acceptance Level

When returned to normal position, the operation of the table shall be normal, and there will be no signs of permanent damage.

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617M1360	55	706M6660	58	722M6660	56	106S5320	24	124S3220	19
617M1560	55	706M7630	58	722M7630	56	106S6220	19	124S4220	19
617M1660	55	706M7660	58	722M7660	56	106S6320	24	125S1220	19
617M1920	71	706M8630	58	722M8630	56	106S7220	19	125S2220	19
617M2260	55	706M8660	58	722M8660	56	106S7320	24	125S3220	19
617M2360	55	708M2630	58	723M2230	56	106S8220	19	125S4220	19
617M2560	55	708M2660	58	723M2260	56	106S8320	24	126S1220	21
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617M2920	71	708M4660	58	724M2260	56	108S4320	30	126S3220	21
617M4260	55	709M2630	58			108S5320	31	126S4220	21
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617M4560	55	709M4630	58	950M4000	45	108S8320	31	127S2220	21
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617M5660	60	712M6660	58	950M6740	94	112S1220	23	130S4220	20
617M5920	71	712M7630	58	950M6770	94	112S1320	29	131S1320	27
617M6260	55	712M7660	58	950M6780	94	112S2220	23	131S2320	27
617M6360	55	712M8630	58	950M6800	94	112S2320	29	131S3320	27
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617M6920	71	715M563H	59	100S1220	19	112S4220	23	132S2320	27
617M7260	55	715M566M	59	100S1320	24	112S4320	29	132S3320	27
617M7360	55	715M566H	59	100S2220	19			132S4320	27
617M7560	55	715M663M	59	100S2320	24	113S1220	23	133S1220	20
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617M8920	71	715M766H	59	100S6220	19	113S4320	29	134S4220	20
617M9920	71	715M863M	59	100S6320	24	115S5220	23	136S1220	21
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700M4630	58	718M563H	59	102S1220	19	115S7320	29	136S3320	27
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137S2220	21	161S8220	21	178S8320	28	207S5320	29	300S6420	87
137S2320	27	163S1320	25	179S5220	22	207S6320	29	300S7220	19
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331S2320	27	348S8320	27	373S1320	25	394S6320	26	425S6320	30
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331S4320	27	352S6220	21	373S3320	25	394S8320	26	427S6420	89
332S1320	27	352S7220	21	373S4320	25	396S5320	26	427S8420	89
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336S3320	27	361S5220	21	377S8320	28	406S5320	26	440S8420	89
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337S4320	27	364S3320	25	379S7320	28	408S7320	29	446S4420	88
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950SE480	37	950S2870	65	950S3630	74	950S6700	88	952S2010	35
950SF230	36	950S2880	65	950S3640	74	950S6710	93	952S2030	35
950SF240	36	950S2910	67	950S3650	74	950S6750	93	952S2050	35
950SF300	37	950S2970	67	950S3660	74	950S6830	75		
950SF360	37	950S2980	67	950S3670	74	950S6840	75	957S1090	75
950SF480	37	950S3010	74	950S3680	74	950S6850	75	957S1100	75
		950S3020	74	950S3700	74	950S6980	29	957S1110	75
950S070L	39	950S3030	74	950S3710	74	950S708L	93	957S1120	75
950S071L	39	950S3040	74	950S3720	74	950S7400	33	957S1170	75
950S076L	39	950S3050	74	950S3730	74	950S7410	33	957S1180	75
950S077L	39	950S3060	74	950S3740	74	950S7421	33	957S1190	75
950S0800	38	950S3070	74	950S3750	74	950S7431	33	957S1200	75
950S0810	38	950S3080	74	950S3760	74	950S7441	33		
950S0820	38	950S3090	74	950S3770	74	950S7451	33		
950S0830	38	950S3100	74	950S3780	74	950S7501	33		
950S0840	38	950S3110	74	950S3790	74	950S7511	33		
950S085L	38	950S3120	74	950S3800	74	950S7521	33		
950S086L	38	950S3130	74	950S3810	74	950S7531	33		
950S087L	38	950S3140	74	950S3820	74	950S7541	33		
950S088L	38	950S3150	74	950S3830	74	950S7551	33		
950S089L	38	950S3160	74	950S3840	74	950S7641	33		
950S090L	38	950S3170	74	950S3850	74	950S7651	33		
950S091L	38	950S3180	74	950S3860	74	950S7661	33		
950S092L	38	950S3190	74	950S3870	74	950S7671	33		
950S093L	38	950S3200	74	950S3880	74	950S7681	33		
950S094L	38	950S3210	74	950S3900	74	950S7691	33		

Hamilton Scientific
ADA Inset Steel

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Warranty

Hamilton Scientific L.L.C. warrants to the direct purchaser that the products manufactured by it will be free from defects in material and workmanship for a period of one year from the date of installation. Hamilton Scientific L.L.C. will, at its sole option, either repair or replace any product during the warranty period which its examination reveals to have been defective, except that no warranty shall apply to accessories or parts or to any product which has been repaired by any party other than an authorized Hamilton Scientific L.L.C. Dealer. Hamilton Scientific L.L.C. shall have no obligation to repair or replace any product which has been subject to alteration, abuse, neglect or misuse or which has not been installed in strict conformity with the written instructions of Hamilton Scientific L.L.C. **Hamilton Scientific L.L.C. expressly disclaims all other warranties, express or implied, including the implied warranties of merchantability and fitness for a particular purpose.** Under no circumstances whatsoever shall Hamilton Scientific L.L.C. be liable for any incidental or consequential damages, whether based on loss of goodwill, lost profits, or otherwise, and whether arising out of breach of any express or implied warranty, breach of contract, negligence, or otherwise, except in the case of personal injury as may be required by applicable state law.

No employee, agent or representative of Hamilton Scientific L.L.C., including, without limitation, any Hamilton Scientific L.L.C. Dealer, is authorized to bind Hamilton L.L.C. to any representation or warranty beyond that which is set forth above.

Tradition™ Inset Steel *Options Menu*

Cabinet Finish Selection

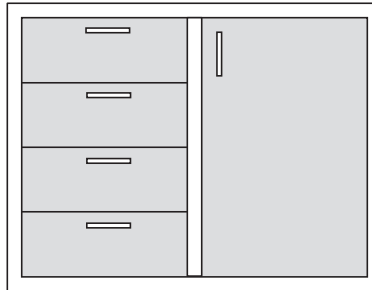
Select from 18 standard colors.

For single color schemes, select any color listed at right.

For two-tone color schemes, select a color for the cabinet shell and a second color for door and drawer fronts from the colors listed at right.

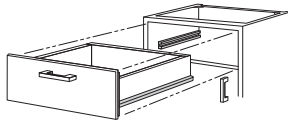
Use the two-letter code after each color name to specify color choice.

Note: Actual color samples are recommended prior to making a final selection. Contact your Hamilton Scientific Representative.

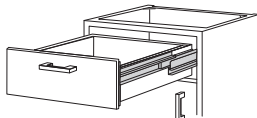


Color Code	Steel Reference Color
☐ PW	Petal White
☐ SW	Shell White
☐ CH	Chameleon
☐ PL	Platinum
☐ SA	Sand
☐ SS	Sandstone
☐ G1	Dove Gray
☐ G3	Gray Slate
☐ KK	Khaki
☐ DK	Dark Khaki
☐ PM	Piedmont Green
☐ HG	Hunter Green
☐ BS	Blue Slate
☐ BL	Blue
☐ IN	Indigo
☐ PA	Purple
☐ BD	Brown Burgundy
☐ BK	Black

1 Drawer Suspension



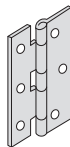
- ☐ Self-Closing, self-centering, hold-open feature. 100 Pound drawer runs. **Standard**
- ☐ SEFA 8 – self-closing, self-centering, hold-open feature. 100 Pound drawer runs.



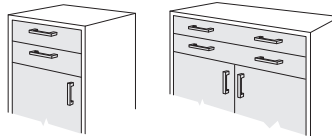
- ☐ SEFA 8 – Accuride 150 Pound full extension drawer slides. **Option**
(Standard on file drawers)

2 Hinges

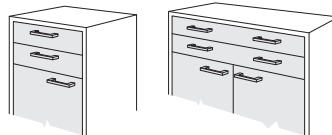
- ☐ Stainless Steel **Standard**
- ☐ Black with zinc-plated screws. **Option**



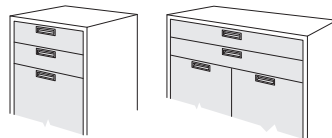
3 Tradition Steel Pull Locations



- ☐ CONFIGURATION 1*
Horizontal on drawers, vertical on doors
Standard

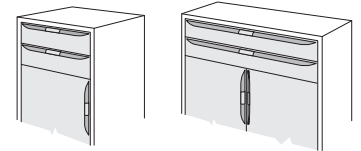


- ☐ CONFIGURATION 2*
Horizontal on drawers and doors
Option



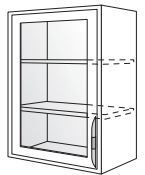
- ☐ CONFIGURATION 3*
Option

3 Tradition Steel Pull Locations (Cont.)



- ☐ CONFIGURATION 4*
Full-Width horizontal on drawers, vertical pull on doors
Option

***NOTE:** Wall, Upper and Tall Cases always have vertical pulls.



4a Pull Types - Available in Configuration 1 & 2 Only

- ☐ Brushed Aluminum rectangular style finger pull. **Standard**
- ☐ Aluminum wire finger pull **Option**
- ☐ Chameleon wire finger pull (powder coated) **Option**
- ☐ Black wire finger pull (powder coated) **Option**
- ☐ Gray wire finger pull (powder coated) **Option**
- ☐ Stainless steel wire finger pull **Option**
- ☐ Satin chrome wire finger pull **Option**
- ☐ Polished chrome wire finger pull (Plated) **Option**

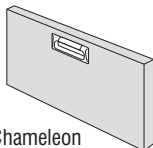
Inset Steel Laboratory Furniture ADA Height Base Cabinets

Tradition™ Inset Steel *Options Menu*

4b Pull Type - Available in Configuration 1, 2 & 3

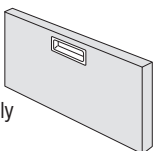
- ☐ Semi-Recessed Polypropylene Option

- ☐ Black ☐ Chameleon
- ☐ Gray ☐ White



4c Pull Type - Available in Configuration 3 Only

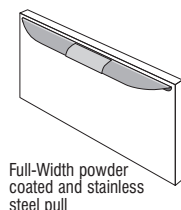
- ☐ Flush Stainless Steel Pull No. 28127, Configuration 3 Only Option



4d Pull Type - Available in Configuration 4 Only

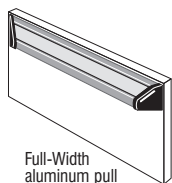
- ☐ Full-Width (On Drawers) Powder Coated Steel Option

- ☐ PW
- ☐ SW
- ☐ CH
- ☐ PL
- ☐ SA
- ☐ SS
- ☐ G1
- ☐ G3
- ☐ KK
- ☐ DK
- ☐ PM
- ☐ HG
- ☐ BS
- ☐ BL
- ☐ IN
- ☐ PA
- ☐ BD
- ☐ BK



- ☐ Full-Width (On Drawers) Stainless Steel Pull Option

- ☐ Full-Width (On Drawers) Aluminum Pull Option



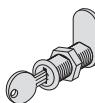
5 Door Catches

- ☐ Roller Door Catch Standard (No Options)



6 Lock Types – Designated by Cabinet Suffix “L”

- ☐ National Master 5-Disc (Remove-A-Core) Standard Use when up to 225 primary key changes are required.



- ☐ National Master 5-Pin
- ☐ National Grand Master 5-Pin Use when up to 2000 primary key changes are required. Note: Grand Master 5-Pin option is a standard option with an eight-week leadtime.

7 Label Holders

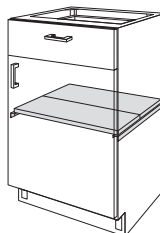
- ☐ None Standard
- ☐ One each door/one each drawer head. Option
 - ☐ Stainless Steel ☐ Black
- ☐ One per pair of doors/one each drawer head. Option
 - ☐ Stainless Steel ☐ Black



Note: Check “None” when Full-Width and Semi-Recessed Polypropylene door/drawer pulls are selected.

8 Base Unit Shelf

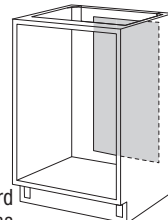
- ☐ One-Piece. Standard
- ☐ Split (2-Pieces). Option



9 Removable Access Panel

Available on 100S and 200S Series base cabinets only.

- ☐ At cupboard areas only. Standard
- ☐ At both cupboard and drawer areas. Option



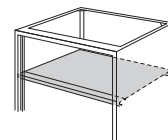
10 Glass – Framed and/or Unframed Doors

- ☐ 6mm Clear Float Glass – clear. Standard
- ☐ 6mm Tempered Safety Glass. Option
- ☐ 6mm Laminated Safety Glass. Option



11 Security Panels – Between Locked Sections

- ☐ Without Security Panel. Standard
- ☐ With Security Panel. Option



Cabinet Finish Selection

Select from 18 standard colors.

For cabinet shell, select from the 18 steel colors listed below.

For door and drawer fronts, select from the wood or plastic laminate colors listed below.

Use the two-letter code before each color name to specify color choice.

NOTE: Actual color samples are recommended prior to making a final selection. Contact your Hamilton Scientific Representative.



Cabinet Selection

Color Code	Steel Reference Color
☐ PW	Petal White
☐ SW	Shell White
☐ CH	Chameleon
☐ PL	Platinum
☐ SA	Sand
☐ SS	Sandstone
☐ G1	Dove Gray
☐ G3	Gray Slate
☐ KK	Khaki
☐ DK	Dark Khaki
☐ PM	Piedmont Green
☐ HG	Hunter Green
☐ BS	Blue Slate
☐ BL	Blue
☐ IN	Indigo
☐ PA	Purple
☐ BD	Brown Burgundy
☐ BK	Black

Door & Drawer Fronts Selection

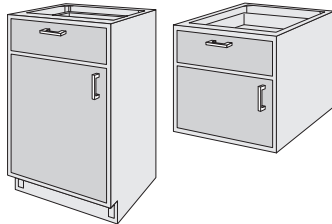
Color Code	Wood Reference Stain	Color Code	Plastic Laminate Reference Color
☐ ND	Oak-Natural	☐ 9Y	Frosty White
☐ HT	Oak-Honey Tan	☐ LD	White
☐ TL	Oak-Toasted Almond	☐ 9P	Antique White
☐ AR	Oak-Acorn	☐ 9T	Grey
☐ BT	Oak-Burnt Umber	☐ 9R	Dove Grey
☐ WH	Oak-Wheat	☐ 7Y	Fashion Grey
☐ RC	Oak-Rich Cinnamon	☐ 6Q	Platinum
☐ RN	Maple-Natural	☐ 6I	Natural Almond
☐ HP	Maple-Honey Tan	☐ 8Q	Lapis Blue
☐ TP	Maple-Toasted Almond	☐ 8S	Midori
☐ AP	Maple-Acorn	☐ 7Q	Burgundy
☐ WP	Maple-Wheat	☐ LR	Montpelier
		☐ 8Y	Featherstone
		☐ 9O	Black
		☐ LQ	Cashmere
		☐ 7W	Clear Teal
		☐ 9S	Haze
		☐ 6F	Atlantis
		☐ 9U	Putty
		☐ 6W	Pepperdust
		☐ 9X	Light Beige
		☐ 9V	Mandarin Red
		☐ 8N	Shogun
		☐ LE	Grey Nebula
		☐ 9Q	White Nebula
		☐ LK	Sand Nebula
		☐ LL	Blush Nebula

Inset Steel Laboratory Furniture ADA Height Base Cabinets

Contrast Inset Steel Options Menu

Note: All Options Must Be “COOLED”

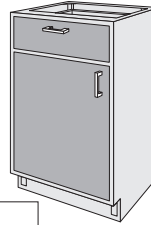
1 Contrast: Inset Steel Cabinet Door/Drawer Front Style



Inset styling features an exposed cabinet frame surrounding doors and drawers. Contrast door and drawer fronts are available in wood or plastic laminate construction.

1c Plastic Laminate Door/Drawer Fronts Option

☐ Plastic Laminate

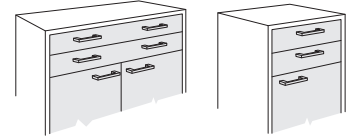


Color Code

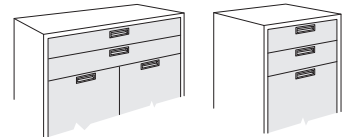
3mm PVC Edgeband with:

- | | |
|--------------------------------|------------------------------------|
| ☐ Black | ☐ Chameleon |
| ☐ Gray | ☐ White |

4 Pull Direction (Cont.)



☐ **Configuration 2***
(Horizontal on drawers and base cabinet doors only)



☐ **Configuration 3***



***Note:** Wall, Upper and Tall Cases always have vertical pulls.

1a Red Oak Wood Door/Drawer Fronts

☐ Plain-Sliced Red Oak (Combination Grain)

☐ Rift-Cut Red Oak (Combination Grain)

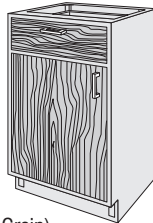
☐ Plain-Sliced Oak (Vertical Matched Grain)

☐ Rift-Cut Red Oak (Vertical Matched Grain)

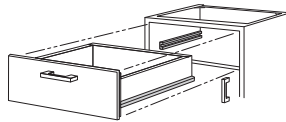
☐ Plain-Sliced Red Oak, 3/4 Radiused Edge (Combination Grain)

☐ Rift-Cut Red Oak, 3/4 Radiused Edge (Combination Grain)

Color Code

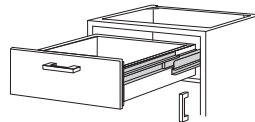


2 Drawer Suspension



☐ Self-Closing, self-centering, hold-open feature. 100 Pound drawer runs.

☐ SEFA 8 – self-closing, self-centering, hold-open feature. 100 Pound drawer runs.



☐ SEFA 8 – Accuride (or equal). 150 Pound full extension drawer slides. (Standard on file drawers)

1b Maple (Select White) Wood Door/Drawer Fronts Option

☐ Plain-Sliced Maple (Combination Grain)

☐ Rotary-Cut Maple (Combination Grain)

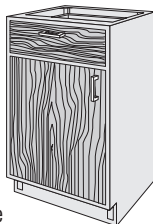
☐ Plain-Sliced Maple (Vertical Matched Grain)

☐ Rotary-Cut Maple (Vertical Matched Grain)

☐ Plain-Sliced Maple, 3/4 Radiused Edge (Combination Grain)

☐ Rotary-Cut Maple, 3/4 Radiused Edge (Combination Grain)

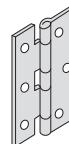
Color Code



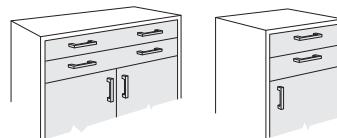
3 Cabinet Hinges

☐ Stainless Steel

☐ Black with zinc-plated screws.



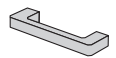
4 Pull Direction



☐ **Configuration 1***
(Horizontal on drawers, vertical on doors)

5a Drawer/Door Pulls - For Pull Direction Configuration 1 & 2 Only

☐ Brushed Aluminum rectangular style finger pull.



☐ Aluminum wire finger pull



☐ Chameleon wire finger pull (powder coated)

☐ Black wire finger pull (powder coated)

☐ Gray wire finger pull (powder coated)

☐ Stainless steel wire finger pull

☐ Satin chrome wire finger pull

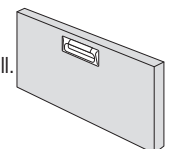
☐ Polished chrome wire finger pull (Plated)

☐ Bright chrome wire finger pull (powder coated)

☐ Goldtone wire finger pull (powder coated)

5b Drawer/Door Pulls - For Pull Direction Configurations 1, 2 & 3

☐ Semi-recessed Polypropylene pull.



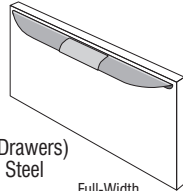
☐ Black

☐ Gray

☐ Chameleon

☐ White

**5c Drawer/Door Pulls
- For Pull Direction
Configuration 3 Only**



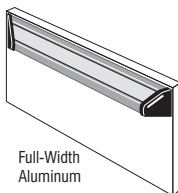
☐ Full-Width (On Drawers)
Powder Coated Steel

- | | |
|-----------------------------|-----------------------------|
| ☐ PW | ☐ DK |
| ☐ SW | ☐ PM |
| ☐ CH | ☐ HG |
| ☐ PL | ☐ BS |
| ☐ SA | ☐ BL |
| ☐ SS | ☐ IN |
| ☐ G1 | ☐ PA |
| ☐ G3 | ☐ BD |
| ☐ KK | ☐ BK |

Full-Width
Powder Coat and
Stainless Steel

☐ Full-Width Stainless Steel
(On Drawers)

☐ Full-Width
Aluminum
(On Drawers)



Full-Width
Aluminum

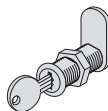
6 Door Catches

Roller Catch
(No Options)



**7 Lock Types –
Designated by Cabinet Suffix “L”**

☐ National Master 5-Disc
(Remove-A-Core)
Use when up to 225
primary key changes
are required.



☐ National Master 5-Pin*

☐ National Grand Master 5-Pin*

*Use when up to 2000 primary key
changes are required. Eight-week
leadtime.

8 Label Holders

- ☐ None*
- ☐ One each door/one each
drawer head.
- ☐ Stainless Steel ☐ Black

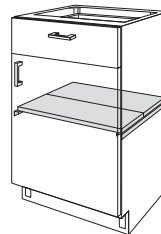


- ☐ One per pair of doors/one each
drawer head.
- ☐ Stainless Steel ☐ Black

Note: Check “None” when Full-Width and
Semi-Recessed Polypropylene
door/drawer pulls are selected.

9 Base Unit Shelf

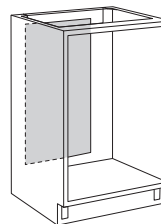
- ☐ One-Piece
(Standard).
- ☐ Split
(2-Pieces).



10 Removable Access Panel

Available on 100S
and 200S Series
base cabinets only.

- ☐ At cupboard
areas only.
- ☐ At both
cupboard and
drawer areas.



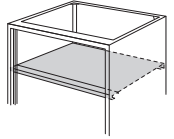
**11 Glass – Framed and/or
Unframed Doors**

- ☐ Float Glass –
clear 6mm.
- ☐ Safety Glass –
Laminated, 6mm
(framed).
- ☐ Safety Glass – Tempered, 6mm
(framed).



**12 Security Panels –
Between Locked Sections**

- ☐ Without Security
Panel.
- ☐ With Security
Panel.



13 Finish

- ☐ Standard finish
- ☐ SEFA 8

ADA Height Base Cabinets

Steel base cabinets are available in a variety of styles and sizes to fit virtually any laboratory layout. Cabinets can be used in wall, peninsula and island configurations. Select from open, drawer, door and combination styles as well as different widths.

A selection of specialty cabinets including acid cabinets, flammable liquid and fume hood cabinets is also featured in this section.

Open Base Cabinets p. 9

Door Base Cabinets p. 9

Drawer Base Cabinets . p. 10–11

Combination Base Cabinets p. 12

Sink Base Cabinets p. 13

Corner Base Cabinets p. 13

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Acid/Flammable Storage Base Cabinets p. 14

Fillers and Scribes p. 15

Knee Space Panels p. 16

Leg Assemblies p. 17

Knee Space Rails p. 18

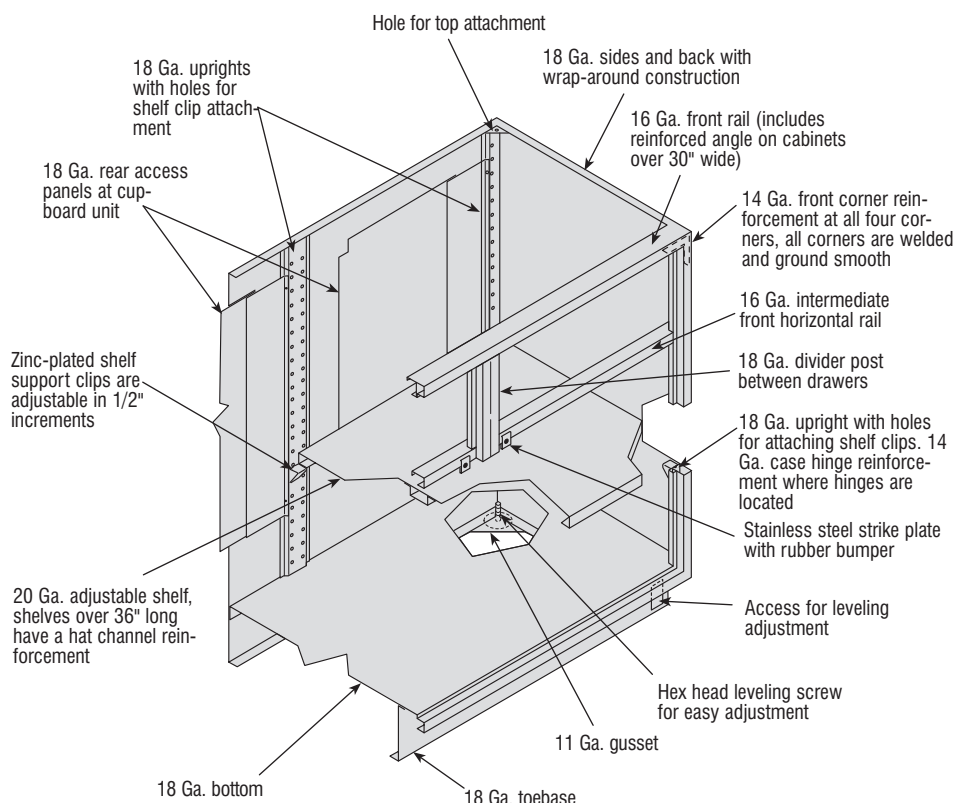
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Steel Doors and Drawers:

- Doors are 20 gauge interior and 18 gauge exterior panels filled with sound deadening material; a 14 Gauge steel reinforcement is added at hinge locations and a 20 gauge vertical reinforcement channel is provided in each door.
- Doors are equipped with a nylon roller catch. When a lock is supplied with double doors, an elbow catch is provided on the left-hand door.
- Drawer heads are 20 gauge filled with sound deadening material.
- The one-piece drawer body is 20 gauge with a coved bottom.
- The drawer suspension is 14 gauge with nylon-tired ball-bearing rollers and self-closing self-centering and hold-open feature. Full-extension telescoping drawer suspension is available as an option.

Wood Doors and Drawer Heads:

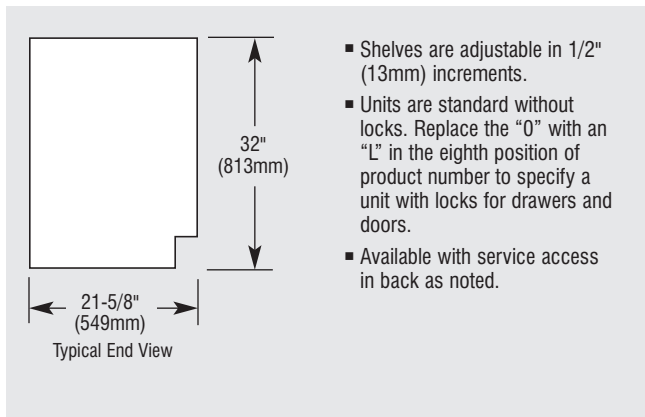
- 3/4" thick veneer clad particle board core with 3mm thick veneer edge banding.
- The drawer suspension is 14 gauge with nylon-tired ball-bearing rollers and self-closing self-centering and hold-open feature. Full-extension telescoping drawer suspension is available as an option.

Plastic Laminate Doors and Drawer Heads:

- Door and drawer heads are constructed with a 3/4" thick particle board core faced with high pressure plastic laminate and 3mm PVC edge banding.
- The one-piece drawer body is 20 gauge with a coved bottom.
- The drawer suspension is 14 gauge with nylon-tired ball-bearing rollers and self-closing self-centering and hold-open feature. Full-extension telescoping drawer suspension is available as an option.

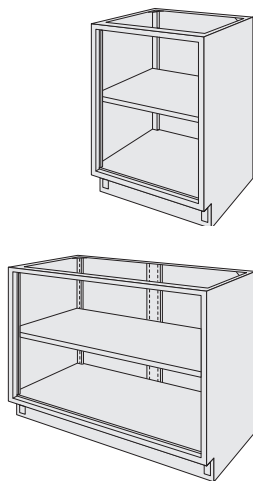
Inset Steel Laboratory Furniture ADA Height Base Cabinets

Open Front and Door Cabinets



- Shelves are adjustable in 1/2" (13mm) increments.
- Units are standard without locks. Replace the "0" with an "L" in the eighth position of product number to specify a unit with locks for drawers and doors.
- Available with service access in back as noted.

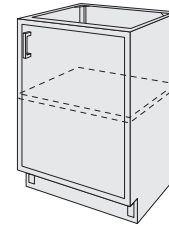
Open Cabinets



- One adjustable shelf

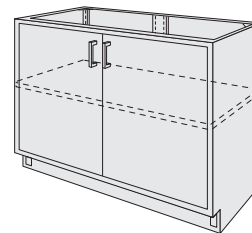
Product No.	Width
Service Access	
100S1720	15" (381mm)
100S2720	18" (457mm)
100S3720	21" (533mm)
100S4720	24" (610mm)
100S5720	30" (762mm)
100S6720	36" (914mm)
100S7720	42" (1067mm)
100S8720	48" (1219mm)
Solid Back	
300S1720	15" (381mm)
300S2720	18" (457mm)
300S3720	21" (533mm)
300S4720	24" (610mm)
300S5720	30" (762mm)
300S6720	36" (914mm)
300S7720	42" (1067mm)
300S8720	48" (1219mm)

Door Cabinets



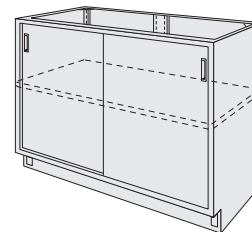
- Solid hinged door
- Adjustable shelf

Product No.	Width
Right-Hinged, Back with Service Access	
102S1720	15" (381mm)
102S2720	18" (457mm)
102S3720	21" (533mm)
102S4720	24" (610mm)
Right-Hinged, Solid Back	
302S1720	15" (381mm)
302S2720	18" (457mm)
302S3720	21" (533mm)
302S4720	24" (610mm)
Left-Hinged, Back with Service Access	
103S1720	15" (381mm)
103S2720	18" (457mm)
103S3720	21" (533mm)
103S4720	24" (610mm)
Left-Hinged, Solid Back	
303S1720	15" (381mm)
303S2720	18" (457mm)
303S3720	21" (533mm)
303S4720	24" (610mm)



- Solid hinged doors
- Adjustable shelf

Product No.	Width
Back with Service Access	
106S5720	30" (762mm)
106S6720	36" (914mm)
106S7720	42" (1067mm)
106S8720	48" (1219mm)
Solid Back	
306S5720	30" (762mm)
306S6720	36" (914mm)
306S7720	42" (1067mm)
306S8720	48" (1219mm)

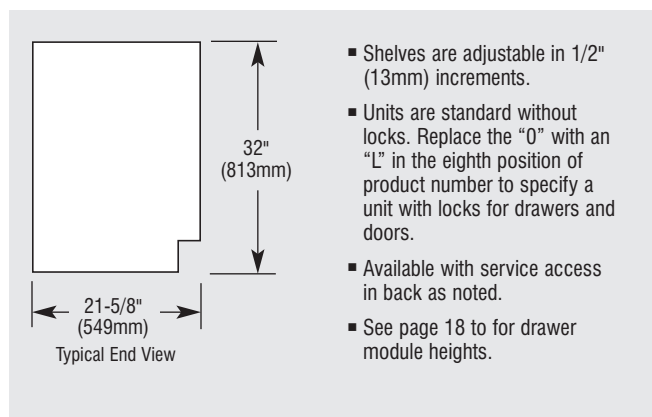


- Solid sliding doors
- Adjustable shelf
- Replace the "M" with an "L" in the eighth position of product number to specify locked doors.

Product No.	Width
Back with Service Access	
109S572M	30" (762mm)
109S672M	36" (914mm)
109S772M	42" (1067mm)
109S872M	48" (1219mm)
Solid Back	
309S572M	30" (762mm)
309S672M	36" (914mm)
309S772M	42" (1067mm)
309S872M	48" (1219mm)

Inset Steel Laboratory Furniture ADA Height Base Cabinets

Drawer Cabinets



Drawer Cabinets



- Two 6-Mod. high drawers above two 7.5-Mod. high drawers

Product No.	Width
Back with Service Access	
173S1720	15" (381mm)
173S2720	18" (457mm)
173S3720	21" (533mm)
173S4720	24" (610mm)
Solid Back	
373S1720	15" (381mm)
373S2720	18" (457mm)
373S3720	21" (533mm)
373S4720	24" (610mm)



- One 3-Mod. high drawer above four 6-Mod. high drawers

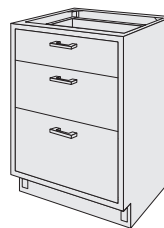
Product No.	Width
Back with Service Access	
145S1720	15" (381mm)
145S2720	18" (457mm)
145S3720	21" (533mm)
145S4720	24" (610mm)
Solid Back	
345S1720	15" (381mm)
345S2720	18" (457mm)
345S3720	21" (533mm)
345S4720	24" (610mm)



- One 3-Mod. and one 6-Mod. high drawer above two 9-Mod. high drawers

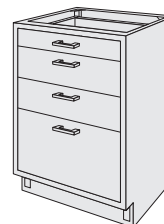
Product No.	Width
Back with Service Access	
164S1720	15" (381mm)
164S2720	18" (457mm)
164S3720	21" (533mm)
164S4720	24" (610mm)
Solid Back	
364S1720	15" (381mm)
364S2720	18" (457mm)
364S3720	21" (533mm)
364S4720	24" (610mm)

Drawer Cabinets (Cont.)



- One 6-Mod. high drawer and one 9-Mod. high drawer above one 12-Mod. high drawer

Product No.	Width
Back with Service Access	
167S1720	15" (381mm)
167S2720	18" (457mm)
167S3720	21" (533mm)
167S4720	24" (610mm)
Solid Back	
367S1720	15" (381mm)
367S2720	18" (457mm)
367S3720	21" (533mm)
367S4720	24" (610mm)



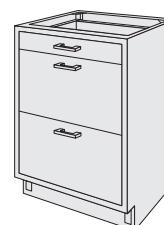
- One 3-Mod. high drawer and two 6-Mod. high drawers above one 12-Mod. high drawer

Product No.	Width
Back with Service Access	
170S2720	18" (457mm)
170S3720	21" (533mm)
170S4720	24" (610mm)
Solid Back	
370S2720	18" (457mm)
370S3720	21" (533mm)
370S4720	24" (610mm)



- Three 3-Mod. high drawers above two 9-Mod. high drawers

Product No.	Width
Back with Service Access	
157S1720	15" (381mm)
157S2720	18" (457mm)
157S3720	21" (533mm)
157S4720	24" (610mm)
Solid Back	
357S1720	15" (381mm)
357S2720	18" (457mm)
357S3720	21" (533mm)
357S4720	24" (610mm)

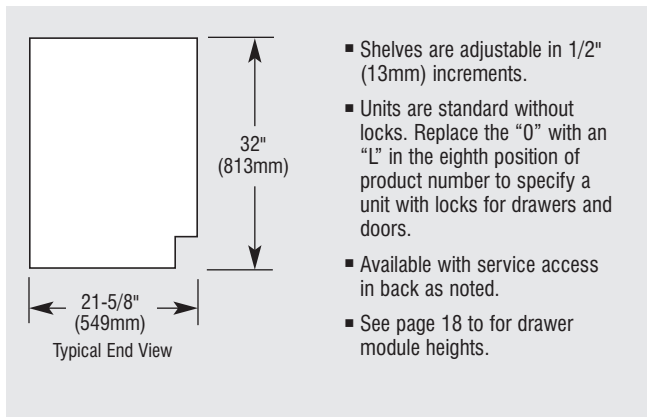


- One 3-Mod. high drawer above two 12-Mod. high drawers

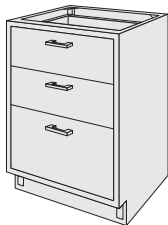
Product No.	Width
Back with Service Access	
141S2720	18" (457mm)
141S3720	21" (533mm)
141S4720	24" (610mm)
Solid Back	
341S2720	18" (457mm)
341S3720	21" (533mm)
341S4720	24" (610mm)

Inset Steel Laboratory Furniture ADA Height Base Cabinets

Drawer Cabinets



Drawer Cabinets (Cont.)



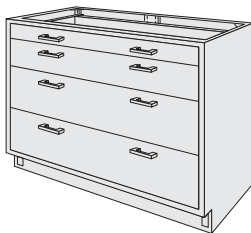
- Two 7.5-Mod. high drawers above one 12-Mod. high drawer

Product No.	Width
Back with Service Access	
139S2720	18" (457mm)
139S3720	21" (533mm)
139S4720	24" (610mm)
Solid Back	
339S2720	18" (457mm)
339S3720	21" (533mm)
339S4720	24" (610mm)



- Two 7.5-Mod. high drawers above one 12-Mod. high drawer
- With pullboard

Product No.	Width
Back with Service Access	
130S2720	18" (457mm)
130S3720	21" (533mm)
130S4720	24" (610mm)
Solid Back	
330S2720	18" (457mm)
330S3720	21" (533mm)
330S4720	24" (610mm)



- One 3-Mod. and one 6-Mod. high drawer above two 9-Mod. high drawers

Product No.	Width
Back with Service Access	
164S5720	30" (762mm)
164S6720	36" (914mm)
164S7720	42" (1067mm)
164S8720	48" (1219mm)
Solid Back	
364S5720	30" (762mm)
364S6720	36" (914mm)
364S7720	42" (1067mm)
364S8720	48" (1219mm)

Drawer Cabinets (Cont.)



- Three 6-Mod. high drawers above two 7.5-Mod. high drawers

Product No.	Width
Back with Service Access	
194S5720	30" (762mm)
194S6720	36" (914mm)
194S7720	42" (1067mm)
194S8720	48" (1219mm)
Solid Back	
394S5720	30" (762mm)
394S6720	36" (914mm)
394S7720	42" (1067mm)
394S8720	48" (1219mm)

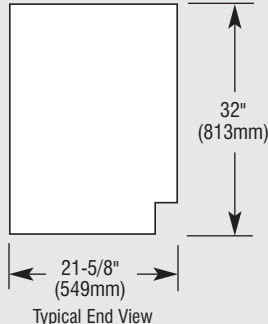


- Four 6-Mod. high drawers above four 7.5-Mod. high drawers

Product No.	Width
Back with Service Access	
209S5720	30" (762mm)
209S6720	36" (914mm)
209S7720	42" (1067mm)
209S8720	48" (1219mm)
Solid Back	
409S5720	30" (762mm)
409S6720	36" (914mm)
409S7720	42" (1067mm)
409S8720	48" (1219mm)

Inset Steel Laboratory Furniture ADA Height Base Cabinets

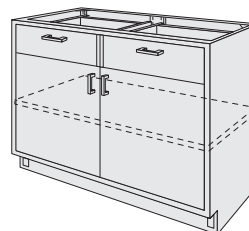
Combination Cabinets



Typical End View

- Shelves are adjustable in 1/2" (13mm) increments.
- Units are standard without locks. Replace the "0" with an "L" in the eighth position of product number to specify a unit with locks for drawers and doors.
- Available with service access in back as noted.
- See page 18 to for drawer module heights.

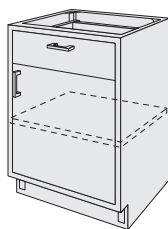
Combination Cabinets (Cont.)



- Two 6-Mod. high drawers above cupboard with double swinging doors
- One adjustable shelf

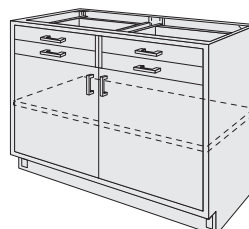
Product No.	Width
Back with Service Access	
148S5720	30" (762mm)
148S6720	36" (914mm)
148S7720	42" (1067mm)
148S8720	48" (1219mm)
Solid Back	
348S5720	30" (762mm)
348S6720	36" (914mm)
348S7720	42" (1067mm)
348S8720	48" (1219mm)

Combination Cabinets



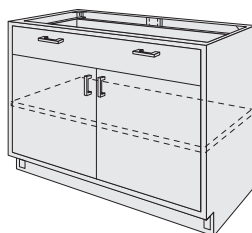
- One 6-Mod. high drawer above single cupboard with right or left-hinged door

Product No.	Width
Right-Hinged, Back with Service Access	
136S1720	15" (381mm)
136S2720	18" (457mm)
136S3720	21" (533mm)
136S4720	24" (610mm)
Right-Hinged, Solid Back	
336S1720	15" (381mm)
336S2720	18" (457mm)
336S3720	21" (533mm)
336S4720	24" (610mm)
Left-Hinged, Back with Service Access	
137S1720	15" (381mm)
137S2720	18" (457mm)
137S3720	21" (533mm)
137S4720	24" (610mm)
Left-Hinged, Solid Back	
337S1720	15" (381mm)
337S2720	18" (457mm)
337S3720	21" (533mm)
337S4720	24" (610mm)



- Four 3-Mod. high drawers above cupboard with double swinging doors
- One adjustable shelf

Product No.	Width
Back with Service Access	
179S5720	30" (762mm)
179S6720	36" (914mm)
179S7720	42" (1067mm)
179S8720	48" (1219mm)
Solid Back	
379S5720	30" (762mm)
379S6720	36" (914mm)
379S7720	42" (1067mm)
379S8720	48" (1219mm)

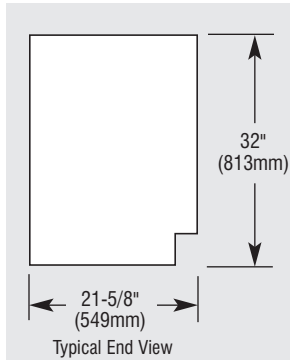


- Full-width 6-Mod. high drawer above cupboard with double swinging doors
- One adjustable shelf

Product No.	Width
Back with Service Access	
146S5720	30" (762mm)
146S6720	36" (914mm)
146S7720	42" (1067mm)
146S8720	48" (1219mm)
Solid Back	
346S5720	30" (762mm)
346S6720	36" (914mm)
346S7720	42" (1067mm)
346S8720	48" (1219mm)

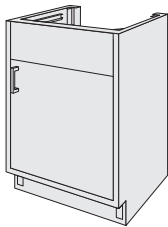
Inset Steel Laboratory Furniture ADA Height Base Cabinets

Sink, Corner and Fume Hood Cabinets



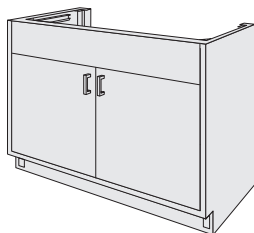
- Shelves are adjustable in 1/2" (13mm) increments.
- Units are standard without locks. Replace the "0" with an "L" in the eighth position of product number to specify a unit with locks for drawers and doors.
- Available with service access in back as noted.

Sink Cabinets



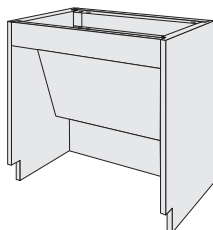
- Flush top panel above left or right-hinged door
- Back cut out for large sinks

Product No.	Width
Right-Hinged	
112S1720	15" (381mm)
112S2720	18" (457mm)
112S3720	21" (533mm)
112S4720	24" (610mm)
Left-Hinged	
113S1720	15" (381mm)
113S2720	18" (457mm)
113S3720	21" (533mm)
113S4720	24" (610mm)



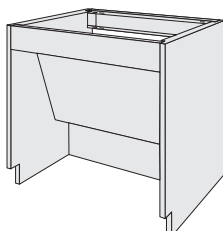
- Flush panel above double swinging doors
- Back cut out for large sinks

Product No.	Width
115S5720	30" (762mm)
115S6720	36" (914mm)
115S7720	42" (1067mm)
115S8720	48" (1219mm)



- Open front sink cabinet is wheel-chair accessible
- Back is open below top rear rail for plumbing clearance
- Depth is 21-5/8" (549mm)

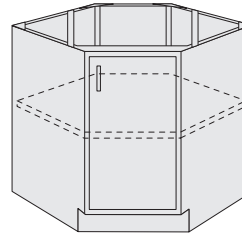
Product No.	Width
950S0220	36" (914mm)



- Open front sink cabinet is wheel-chair accessible
- Back is open below top rear rail for plumbing clearance
- Depth is 28" (711mm)

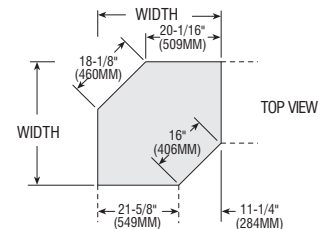
Product No.	Width
950S0210	36" (914mm)

Corner Cabinets

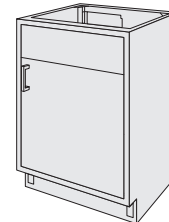


- Can be used as a sink cabinet
- Right-hinged door only
- One adjustable shelf
- See the Hamilton Scientific Fixtures and Accessories Catalog for sink supports

Product No.	Width
422S6720	32-7/8" (835mm)

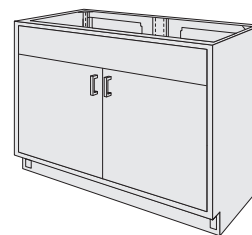


Fume Hood Cabinets



- Flush panel above cupboard with right or left-hinged door
- Removable back panel

Product No.	Width
Right-Hinged	
122S0720	12" (305mm)
122S4720	24" (610mm)
Left-Hinged	
123S0720	12" (305mm)
123S4720	24" (610mm)

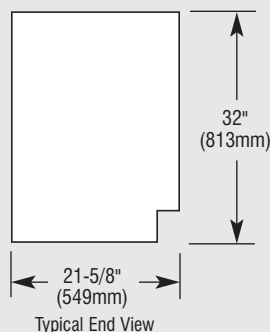


- Flush panel above cupboard with double swinging doors
- Removable back panel

Product No.	Width
121S5720	30" (762mm)
121S6720	36" (914mm)
121S7720	42" (1067mm)
121S8720	48" (1219mm)

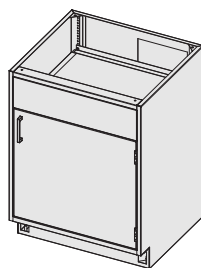
Inset Steel Laboratory Furniture ADA Height Base Cabinets

Acid and Flammable Storage Cabinets



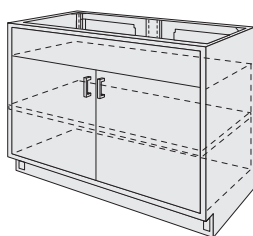
- Shelves are adjustable in 1/2" (13mm) increments.
- Units are standard without locks. Replace the "0" with an "L" in the eighth position of product number to specify a unit with locks for drawers and doors.
- Available with service access in back as noted.

Resisto-Roc Lined Acid Storage Cabinets



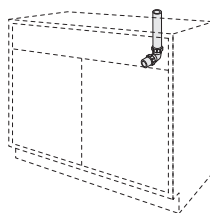
- Ideal for use as fume hood base
- Flush panel above left or right-hinged single door
- Chemical resistant Resisto-Roc lining 1/4" (64mm) thick
- Adjustable shelf
- Vent in back is 10" (254mm) from right end

Product No.	Width
Right-Hinged 950S0290	24" (610mm)
Left-Hinged (shown) 950S0300	24" (610mm)



- Ideal for use as fume hood base
- Flush front panel above cupboard with double swinging doors
- Chemical resistant Resisto-Roc lining 1/4" (64mm) thick
- Adjustable shelf
- Vent in 10" (254mm) from right end

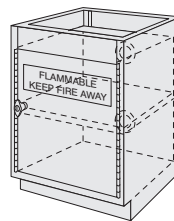
Product No.	Width
144S5720	30" (762mm)
144S6720	36" (914mm)
144S8720	48" (1219mm)



- Polyolefin vent assembly
- For use with lined acid storage cabinets above
- Located 10" from cabinet top and 10" from right side

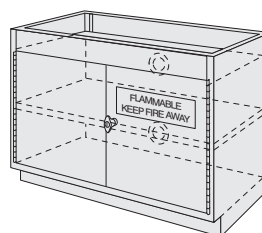
Product No.	
90L06000	
90L06300	For extended depth fume hood applications

Flammable Liquid Storage Cabinets



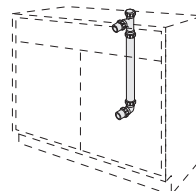
- For storage of flammable liquids
- UL listed and FM approved
- Two 2" (51mm) pipe threaded vent outlets on back
- Rear access panel is included
- 22" (556mm) deep, 24" (610mm) wide and 32" (813mm) high
- Lock is included

Product No.	Door Operation
Single Door, Right-Hinged 950S8100	Self-Closing
950S8080	Manual
Single Door, Left-Hinged 950S8110	Self-Closing
950S8090	Manual



- For storage of flammable liquids
- UL listed and FM approved
- Two 2" (51mm) pipe threaded vent outlets on back
- Rear access panel is included
- 22" (556mm) deep and 32" (813mm) high
- Lock is included

Product No.	Width
Manual-Closing Doors	
950S7951	30" (762mm)
950S7961	36" (914mm)
950S7971	42" (1067mm)
950S7981	48" (1219mm)
Self-Closing Doors	
950S7991	30" (762mm)
950S8001	36" (914mm)
950S8011	42" (1067mm)
950S8021	48" (1219mm)



- Polyolefin vent pipes
- For venting flammable liquid storage base cabinets through fume hoods

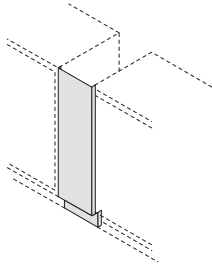
Product No.
90L19000

Inset Steel Laboratory Furniture ADA Height Base Cabinets

Fillers and Scribes for Base Cabinets

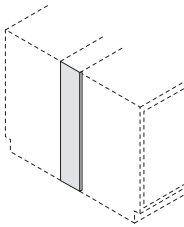
- Concealed clips attach filler panel to base cabinet.
- Fillers and scribes can be trimmed during installation for precise fit.

Filler Panels and Scribes



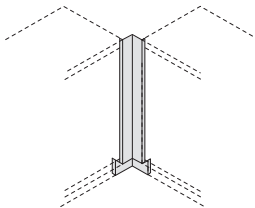
- Front filler panel
- For adjacent base cabinets

Product No.	Width
For ADA-Height Cabinets	
600S6720	6" (152mm)
614S6708	8" (203mm)
614S6710	10" (254mm)
614S6720	12" (305mm)
614S6714	14" (356mm)
614S6716	16" (406mm)
614S2720	18" (457mm)



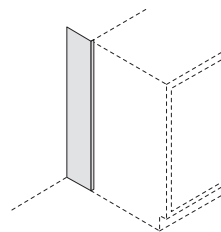
- Center filler panel.
- For back-to-back base cabinets.

Product No.	Width
For ADA-Height Cabinets	
612S8720	8-3/4" (222mm)
612S4720	14-3/4" (375mm)
612S0720	20-3/4" (527mm)
612S1720	26-3/4" (679mm)



- Corner filler
- For base cabinets joined at a right angle
- Adjustable up to 5" x 1" x 5" (127mm x 25mm x 127mm) in one direction

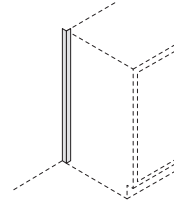
Product No.	Width
For ADA-Height Cabinets	
607S1520	1" x 1" (25mm)
607S2520	2" x 2" (51mm)
607S0520	12" x 12" (305mm)



- Rear filler panel
- For closing service space at rear of base cabinets

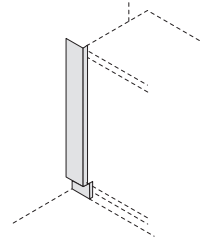
Product No.	Width
For ADA-Height Cabinets	
611S4420	4-5/8" (187mm)
611S7420	7-3/8" (187mm)
611S5420	10-3/8" (264mm)
611S0420	10-5/8" (270mm)
611S2420	12-1/8" (308mm)
611S3420	13-3/8" (340mm)
611S1420	19-3/8" (492mm)

Filler Panels and Scribes (cont.)



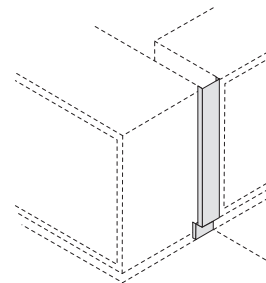
- Rear scribe
- For base cabinets adjacent to wall

Product No.	Width
For ADA-Height Cabinets	
618S0740	1-3/8" (35mm)
618S0730	2-3/8" (60mm)
618S0750	3-3/8" (86mm)



- End scribe
- For base cabinet adjacent to wall

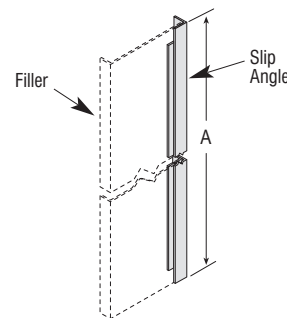
Product No.	Width
For ADA-Height Cabinets	
600S2720	1" (25mm)
600S2722	2" (51mm)
600S2723	3" (76mm)
600S2724	4" (102mm)
600S2725	5" (127mm)



- End rear filler for sink cabinets
- 35-1/4" (908mm)

Product No.	Width
For ADA-Height Cabinets	
616S3170	1-3/8" (35mm)
616S3270	2-3/8" (60mm)
616S3370	3-3/8" (86mm)
616S3470	7-3/8" (187mm)

Slip Angle



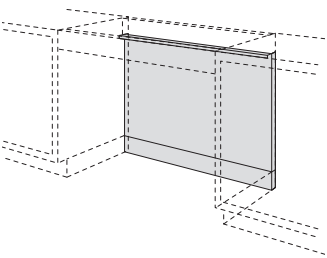
- Conceals trimmed edge.
- Attach to wall or adjacent cabinet

Product No.	Height Dim. A
MS685763	31" (787mm)
MS685764	31-15/16" (811mm)

**Inset Steel Laboratory Furniture
ADA Height Base Cabinets**

Knee Space and End Support Panels

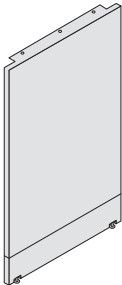
Knee Space Panel



- Physical barrier at rear of knee space; mounts below existing knee space rail
- Attachment hardware is included

Product No.	Panel Width
ADA-Height, 27-3/8" (695mm) high	
616S4720	24" (610mm)
616S5720	30" (762mm)
616S6720	36" (914mm)
616S7720	42" (1067mm)
616S8720	48" (1219mm)
616S0720	54" (1372mm)
616S9720	60" (1524mm)
616S1720	66" (1676mm)
616S2720	72" (1829mm)

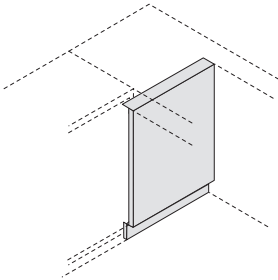
End Support Panels



- Panel end support
- Use in place of legs on one end to support drawer frame
- Angles are bolted to panel for easy removal
- Attachment hardware is included

22" (559mm) Deep	28" (711mm) Deep	Height
525S3720	525S3780	32" (822mm)

Corner Knee Space Panel

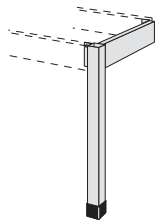


- Straight filler to close off corner
- For below knee space rail from cabinet to wall

Product No.	Width
For ADA-Height Cabinets	
614S1270	24" (610mm)
614S1370	30" (762mm)

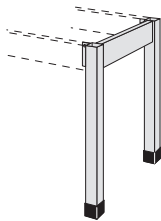
- Legs include adjustable leveler glides and vinyl leg shoes on legs.
- Attachment hardware is included.

End Leg Assemblies



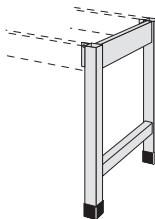
- Single leg provides support at either end of the table frame (reversible in field)
- Connects to wall

21-9/16" (548mm) Deep	28" (711mm) Deep	Width
524S3220	524S3280	32" (810mm)



- Double leg assembly provides support at either end of the table frame

Product No.	Height
21-5/8" (549mm) Deep 522S3210	32" (810mm)
28" (711mm) Deep 522S3220	32" (810mm)
34" (864mm) Deep 522S3230	32" (810mm)
40" (1016mm) Deep 522S3240	32" (810mm)
46" (1168mm) Deep 522S3250	32" (810mm)



- Double leg assembly provides support at either end of the table frame
- Crossrail provides additional rigidity to a leg unit and is required for stretcher rail installation

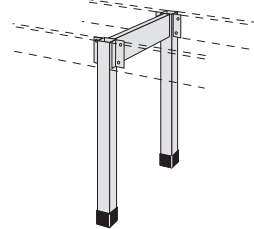
Product No.	Height
21-5/8" (549mm) Deep 522S4210	32" (810mm)
28" (711mm) Deep 522S4220	32" (810mm)
34" (864mm) Deep 522S4230	32" (810mm)
40" (1016mm) Deep 522S4240	32" (810mm)
46" (1168mm) Deep 522S4250	32" (810mm)

Center Leg Assemblies



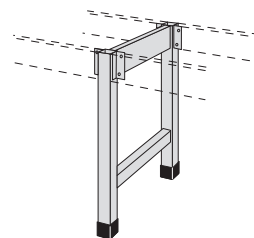
- Single leg provides support between drawer frames

Product No.	Height
521S3200	32" (810mm)



- Double leg assembly provides support at the center of a table frame

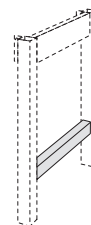
Product No.	Height
21-5/8" (549mm) Deep 523S3210	32" (810mm)
28" (711mm) Deep 523S3220	32" (810mm)
34" (864mm) Deep 523S3230	32" (810mm)
40" (1016mm) Deep 523S3240	32" (810mm)
46" (1168mm) Deep 523S3250	32" (810mm)



- Double leg assembly provides support at the center of a table frame

Product No.	Height
21-5/8" (549mm) Deep 523S4210	32" (810mm)
28" (711mm) Deep 523S4220	32" (810mm)
34" (864mm) Deep 523S4230	32" (810mm)
40" (1016mm) Deep 523S4240	32" (810mm)
46" (1168mm) Deep 523S4250	32" (810mm)

Leg Rails



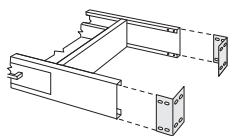
- Crossrails provide additional rigidity for leg units and are required for stretcher rail installation, see page 75

Product No.	Width of Leg Unit
529S2200	21-5/8" (559mm)
529S2800	28" (711mm)
529S3400	34" (864mm)
529S4000	40" (1016mm)
529S4600	46" (1168mm)

Inset Steel Laboratory Furniture ADA Height Base Cabinets

Leg Rails, End Angles, Finished Backs and Drawer Module Dimensions

End Angles

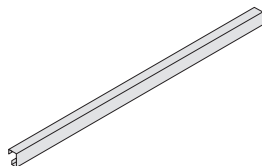


- Angles are designed to be used to attach a drawer frame to an adjacent cabinet for stability
- Use in pairs, one attaching at the front on the side and the other at the rear on the side

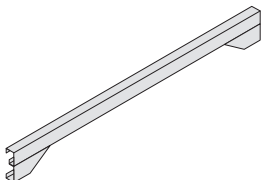
Product No. (Pair)	Height
527S2000	2" (51mm)
527S4000	4-1/2" (114mm)

Knee Space Rail

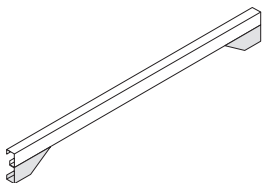
- Knee space rail
- Use to close in front of knee space area between two cabinets
- Attachment hardware included



Product No.	Panel Width
2" (51mm) High - Cannot be used with leg assemblies	
500S2010	24" (610mm)
500S2020	30" (762mm)
500S2030	36" (914mm)
500S2040	42" (1067mm)
500S2050	48" (1219mm)
500S2060	54" (1372mm)
500S2070	60" (1424mm)
500S2080	66" (1676mm)
500S2090	72" (1829mm)

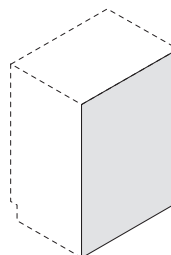


2" (51mm) High with end brackets - Can be used with leg assemblies	
500S4110	24" (610mm)
500S4120	30" (762mm)
500S4130	36" (914mm)
500S4140	42" (1067mm)
500S4150	48" (1219mm)
500S4160	54" (1372mm)
500S4170	60" (1424mm)
500S4180	66" (1676mm)
500S4190	72" (1829mm)



End brackets only - use with 2" high knee space rail
531S2390 RH and LH brackets

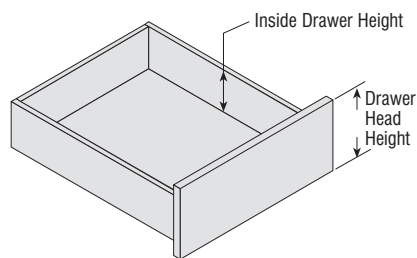
Finished Back



- For use when a base cabinet back is exposed to view

Prod. No.	Width
For Sitting-Height Cabinets	
531M1310	15" (381mm)
531M1320	18" (457mm)
531M1330	21" (533mm)
531M1340	24" (610mm)
531M1350	30" (762mm)
531M1360	36" (914mm)
531M1370	42" (1067mm)
531M1380	48" (1219mm)
For Standing-Height Cabinets	
531M1410	15" (381mm)
531M1420	18" (457mm)
531M1430	21" (533mm)
531M1440	24" (610mm)
531M1450	30" (762mm)
531M1460	36" (914mm)
531M1470	42" (1067mm)
531M1480	48" (1219mm)

Drawer Module Height Dimensions



Drawer Height	Actual Drawer Head Height	Actual Inside Drawer Height
3" (76mm)	2-13/16" (71mm)	1-5/8" (41mm)
6" (152mm)	5-23/32" (145mm)	4-1/2" (152mm)
7-1/2" (191mm)	7-11/64" (182mm)	6" (114mm)
9" (229mm)	8-5/8" (219mm)	7-3/8" (187mm)
10" (254mm)	9-19/32" (244mm)	8-1/4" (210mm)
12" File Drawer	11-17/32" (293mm)	10-1/4" (260mm)

A. Materials

1. **Sheet steel:** cold-rolled furniture stock.
2. **Glass for glazed swinging and sliding doors:** 7/32" thick clear float glass.

B. Performance

1. Structural performance requirement: casework components shall withstand the following maximum loads without damage to the component or to the casework operation:
 - a. Steel base unit load capacity: up to 500 lbs. per lineal foot suspended across cabinet ends.
 - b. Suspended units: 300 lbs.
 - c. Utility tables (4 legged): 300 lbs.
 - d. Drawers in a cabinet: 125 lbs. (static), 100 lbs. (dynamic)
 - e. Hanging wall cases: 300 lbs.
 - f. Load capacity for shelves of base units, wall cases and tall cases: 100 lbs.

C. Construction

1. All members die-formed, notched, assembled in fixtures; exposed welds polished smooth; face corner intersections of vertical and horizontal members in same plane, with joints welded and polished; doors and drawer heads in same plane .
2. **Gauges**
 - a. Drawer bodies and heads*, shelves, interior door panels, security panels, and sloping tops—20 gauge
 - b. Ends, backs, case tops and bottoms, bases, exterior door panels, and vertical post—18 gauge
 - c. Top front and intermediate rails, gussets, table legs, frames, leg rails, and stretchers—16 gauge
 - d. Drawer suspensions, door and case hinge reinforcements, and L-shaped front corner gussets 14 gauge
 - e. Table leg corner brackets and leveler gussets—11 gauge
3. Base cabinets, three and four-foot with cupboards to open full width; center support posts not acceptable.
 - a. End panels and back, formed of one-piece, wraparound design; rear internal reinforcing channel with shelf-clip adjustment holes; front post to provide for rails, runs, hinges, and shelf clips; toe base structurally integral to cabinet body.
 - b. Top front rail to interlock and overlap end panels with rabbeted offset for dust resistance.
 - c. Horizontal intermediate cross rails required for locks, recessed and concealed.
 - d. All floor-mounted cabinets supported on four leveling screws adjustable from access in toe base; cupboard back access panels, when selected, removable with simple tools.

- e. Drawer bodies of welded construction with cove at bottom sides and flanged at topsides for hand grip; suspension with rounded raceways and radiused, nylon-tired, ball-bearing rollers for self-centering operation; suspension to lock open, with automatic close last five inches; cushioned stop, in and out; drawer heads* finished on all surfaces before assembly; sound-deadening material in head; friction centering springs not acceptable.
 - f. Bottoms of solid-panel, one-piece construction, front-formed for door and drawer dust resistance; holes or capped punch-outs for leveling screw access not acceptable.
4. Wall cases, 25", 31" and 37" high, formed of one-piece, wrap-around design, with rear internal reinforcing channels containing shelf clip adjustment holes.
 5. Upper and tall cases, with solid backs, welded, recessed 3/4"-in for mounting.
 - a. Bottoms, one piece, turned-up back and sides; front to fit door configuration and type.
 - b. Doors*, solid panel, with inner and outer heads protected from corrosion, structurally rigid with hat-channel reinforcement and sound deadening.
 - c. Unframed doors, 7/32" thick float glass with ground edges, set in extruded aluminum shoe with integral pulls and wheel assemblies; slides in top and bottom extruded aluminum track.
 - d. Framed glazed doors with 7/32" thick float glass set in plastic molding; solid exterior frame with all corners welded*; interior frame members screwed in place.
 6. **Table frames**
 - a. Table frames, 4-1/2" high, formed into C-channel shape; drawers, where specified, to be same as standard unit drawer and operate in drawer suspensions mounted in table frame.
 - b. Leg corner bracket to be welded construction with bolted attachment of leg to apron, using two bolts per leg corner; table legs, 2" square, with recessed leveling bolt with bottom flange and covered rubber or vinyl leg shoe; leg rails and stretchers, channel formed and supplied only where specified.

D. Hardware

1. Base molding, 4" high, black rubber or vinyl
2. Leg shoes, black rubber or vinyl with provisions for floor clip.
3. Hinges*, 2-1/2", 5-knuckle, stainless steel, screw attachment; welded hinges not acceptable
4. Friction catches, nylon-roller type, adjustable, with strike.
5. Elbow catch, spring-type, with strike.
6. Locks*, 5-disc tumbler, heavy-duty cylinder type; dull nickel- (satin) plated, stamped with identifying number.
7. Label holders,* 1-1/2" x 2-1/2" steel, satin chrome-plated;

*Optional components are available. Change specification language when optional components are to be substituted.

Inset Steel Laboratory Furniture ADA Height Base Cabinets

Specifications – Short Form

attached with screws; stick-on holders not acceptable.

8. Number plates, anodized aluminum, black numerals.
9. Grills, expanded metal, black finish.
10. Shelf clips, die-formed steel, zinc plated.
11. Pulls,* extruded aluminum, clear anodized finish.
12. File drawers, full extension suspension.

E. Finish

1. Metal preparation prior to application of finish, consisting of multiple-step process:
 - a. Cleaner/phosphate spray
 - b. Water rinse
 - c. Passivating sealant spray
2. Parts to be dried at elevated temperatures and cooled prior to application of finish; finish to be applied in powder form, electrostatically charged, to all interior and exterior channel surfaces to an average thickness of 1.5 mils; immediately after application, coated surfaces to be baked in high-temperature, continuous ovens to provide uniform curing for abrasion and chemical resistance as required for service in laboratory environment.

F. Standard Steel Colors

PW	Petal White
SW	Shell White
CH	Chameleon
KK	Khaki
DK	Dark Khaki
BK	Black
PM	Piedmont Green
HG	Hunter Green
PL	Platinum
SA	Sand
SS	Sandstone
BS	Blue Slate
BL	Blue
IN	Indigo
BD	Brown Burgundy
G1	Dove Gray
G3	Gray Slate
PA	Purple

*Chemsurf is a registered trademark of Ralph Wilson Plastics.

G. Vacuum Pump Storage Cabinet

Casework Design Requirements

Flush Construction

Surfaces of doors, flush panel faces shall align with cabinet fronts without overlap of case ends or top rail. Horizontal and vertical case shell members (panels and top rails) shall meet in the same plane without overlap, cracks or crevices.

Slimline Styling

Front width of end panels and top rail is 3/4".

Self-Supporting Units

Completely welded shell assembly without applied panels at ends, backs or top panel, so cases can be used interchangeably or as a single stand-alone unit.

Interior of Case Units

Acoustically treated sides, back and top panel with sound deadening materials. Base cabinets, 30" and wider, with double swinging doors shall provide full access to complete interior without center vertical post.

Vacuum Pump Cabinet Fabrication

- A. Vacuum pump storage to provide a means to store and vent vacuum pumps and their emissions and heat loads.
- B. Vacuum pump cabinet shall have hinged doors with integral toe space without a cabinet bottom. Vacuum pump cabinet shall have removable back panel(s) for utility access and visual inspection. Back panel shall incorporate an integral 2-1/2" vent hole for a separate vent assembly.
- C. Vacuum pump cabinet shall incorporate acoustical insulation on the interior door panels, side, back and underside of the top panel. Insulation shall be an open cell foam of conal design.
- D. Storage unit shall incorporate an integral electrical switch (120V, 20 amp) with pilot light to indicate the operational mode of the vacuum pump unit.
- E. Storage unit shall have an electrical duplex outlet, located in the rear of the cabinet, for the vacuum pump plug end. Outlet to be accessible from the inside of the cabinet. Outlet shall be hard-wired to the electrical switch.
- F. Separate mobile platform shall be capable of supporting 300lbs. Front two casters shall be locking/swivel models. Lipped construction shall safely contain any incidental spills.

Specifiers Options

- G. Optional door louvers will be incorporated when the exhaust fan is specified.
- H. Switch shall be supplied with an optional 20' long, 1/2" trade size flexible metal conduit.
- I. Optional variac voltage transformer (mounted in flush panel) shall be factory installed in the flush front panel to provide a variable voltage source for instrumentation. Variac shall include a metal enclosure, cover plate, toggle switch, duplex electric receptacle, fuse holder and pilot light. Electrical input 120VAC, 50/60Hz – output 140VAC, 10AMP. Variac will be supplied with a 20' long, 1/2" trade size flexible metal conduit.
- J. An optional 235cfm exhaust fan will be supplied for greater heat loads. The exhaust fan assembly will be attached to the exterior of the cabinet for maximum pump storage and airflow. The fan assembly shall incorporate a 4" diameter duct collar connection. Connection to the building HVAC exhaust by others.
- K. Vacuum pump cabinet nominal dimensions:
Width – 24", 30", 36", 48"
Depth – 25" with electric junction box
29-5/8" with exhaust fan housing

*Optional components are available. Change specification language when optional components are to be substituted.

Laboratory Furniture/Casework, Shelving & Tables/Recommended Practices/SEFA 8 (1998 Standard)

SEFA Profile

The Scientific Equipment and Furniture Association (SEFA) is a voluntary international trade association representing members of the laboratory furniture, casework, fume hood and related equipment industry. The association was founded to promote this rapidly expanding industry and to improve the quality, safety and timely completion of laboratory facilities in accordance with customer requirements. **All Hamilton Scientific steel laboratory furniture and equipment is in full compliance with the SEFA 8 (1998 Standard).**

4.0 Base Cabinets

4.1 Description of Test Cabinet

The base cabinet shall be a combination of *cupboard* and *drawer* per Figure 1. The base cabinet shall have *nominal dimensions* of 48" (1,219.2mm) wide, 36" (914.4mm) high, and 22" (558.8mm) deep. The drawer shall be above the cupboard, full-width and approximately one-fourth the height of the cabinet's face opening. Cupboard shall be double-door design and provide *unobstructed entry* into the cabinet interior with the doors open. The unit shall contain one adjustable shelf. The cabinet back shall be the removable type (per manufacturer's standard design as used for access to the plumbing or chase area) with the removable panel removed.

The cabinet shall be *free standing*, squared and leveled

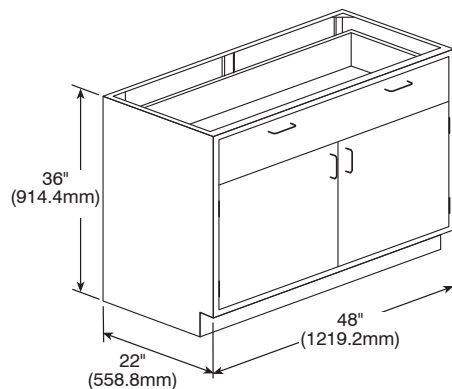


Figure 1 Description of Test Base Cabinet

and sitting 1" (25.4mm) off the floor on all four *leveling screws*. When leveling screws are not required, the cabinet shall be squared and leveled and sitting 1" (25.4mm) off the floor atop four hardwood corner blocks 2" (50.8mm) square and 1" (25.4mm) 37-50 pcf *medium density fiberboard* shall be positioned on the cabinet without glue or fasteners of any kind. The top dimensions will be such that it will overhang the cabinet perimeter by 1" (25.4mm). Its weight shall be included in the test as live load.

Before conducting the test, a visual examination shall be conducted to verify that the unit configuration and setup conditions are appropriate. Operate *doors* and *drawers*. Doors should be free moving and *latch* properly. Inspect

the unit for dimensions and note the fit of doors and drawers to the cabinet body. Open and close the drawer. The drawer should be free moving and function as specified by the manufacturer. Discontinue evaluation if

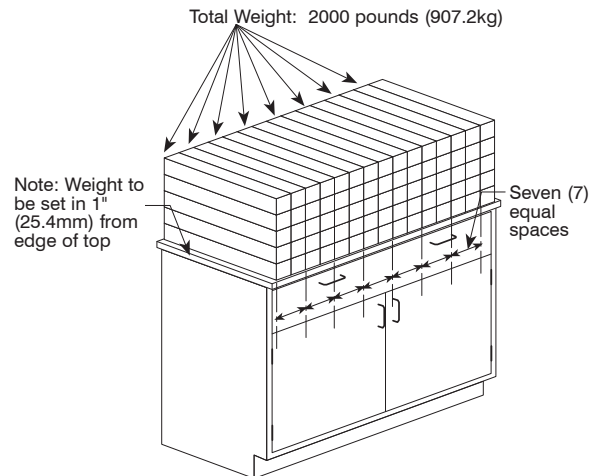


Figure 2 Cabinet Load Test Configuration

unit is not in compliance or if malfunction is noted.

4.2 Cabinet Load Test

4.2.1 Cabinet Load Test

The cabinet load test will challenge the structural integrity and load bearing capability of the cabinet construction. This test will demonstrate the ability of the cabinet to support heavy applied loads. This is not intended to test the functional characteristics of the cabinet under heavy loads.

4.2.2 Test Procedure

Verify that the cabinet is level. Load the cabinet top by using 2000 pounds (907.2kg) of solid steel bars (per Section No. 3.1) stacked five high and spaced per Figure 2. After ten minutes, unload the cabinet.

4.2.3 Acceptance Level

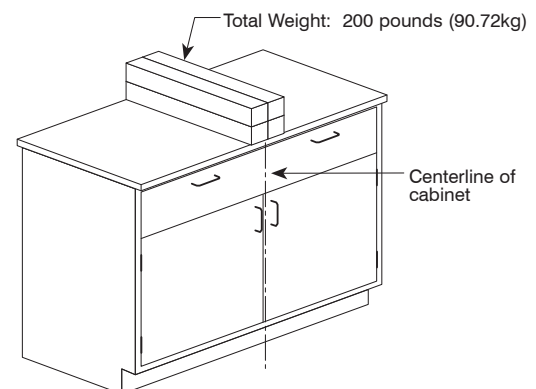


Figure 3 Base Cabinet Concentrated Load Test

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The cabinet will have no signs of *permanent failure*. After the load is removed, inspect the *levelers*. Any deformation shall not interfere with the function of the leveling system.

4.3 Cabinet Concentrated Load Test

4.3.1 Purpose of Test

The purpose of this test is to challenge the functional characteristics of the cabinet when subjected to a concentrated load on the center of the cabinet top.

4.3.2 Test Procedure

Using solid weights or 10 pound (4.54kg) sand bags (per Section No. 3.1), Apply a total of 200 pounds (90.72kg) to the top of the cabinet along the cabinet centerline (See Figure 3). Operate doors and drawers.

4.3.3 Acceptance Level

Door and drawer operation shall be normal under condition of test load. There shall be no signs of permanent distortion to front rail, cabinet joinery, doors, or drawers.

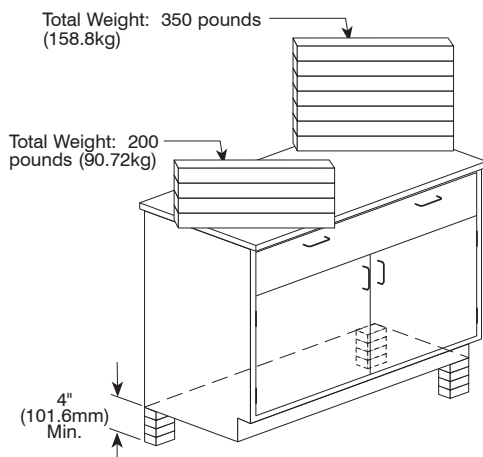


Figure 4 Base Cabinet Torsion Test Procedure

4.4 Cabinet Torsion Test

4.4.1 Purpose of Test

This test will evaluate the structural integrity of the cabinet construction when subjected to a *torsional* load.

4.4.2 Test Procedure

The cabinet shall be tested in its normal upright position, raised not less than four-inches off the floor and supported on rear and one front corner. The area of support under the cabinet shall be located not more than 6" (152.4mm) in from each supported corner. Secure the cabinet diagonally from the unsupported corner with seven solid steel bars per Section No. 3.1 (350 pounds [158.76kg] of weight, on the top of the cabinet to prevent overturning. Apply four solid steel bars (200 pounds [90.72kg] of weight) to the unsupported corner for a period of fifteen minutes (See Figure 4). Remove weight and place cabinet on the floor in its normal upright position. Observe cabinet *joinery*. Level the cabinet and measure the face and back of the cabinet across the diagonal corners.

4.4.3 Acceptance Level

When returned to normal position, the operation of the cabinet shall be normal, and there will be no signs of *permanent damage*. The difference between the two measurements taken from measuring the diagonal corners shall be no more than 1/8" (3.175mm).

4.5 Cabinet Submersion Test

4.5.1 Purpose of Test

This test will demonstrate the ability of the cabinet to resist standing water. Only units that rest on the floor or a unit where the base is within 2" (50.8mm) of the floor should be subjected to this test.

4.5.2 Test Procedure

The material thickness along the perimeter of the cabinet shall be measured on 6" (152.4mm) increments. Record the thickness of the material to be submerged in water. Calculate the *arithmetic mean* of the data taken. Place the entire test cabinet in its upright position such that the cabinet is submerged in a pan filled 2" (50.8mm) of water. After four hours, remove the unit from the water and immediately measure the thickness of the material at the same points measured initially. Calculate the *arithmetic mean*. After the unit has been allowed to dry, inspect for other damage.

4.5.3 Acceptance Level

The cabinet shall show no signs of *permanent deformation* or deterioration. Increase in thickness shall not exceed four percent on the initial mean measurement.

5.0 Doors

5.1 Door Hinge Test

5.1.1 Purpose of Test

Total Weight: 400 pounds (181.4kg)

Note: Load top sufficient to prevent tipping of base cabinet

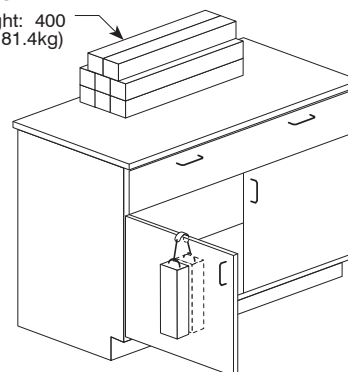


Figure 5a Base Cabinet Door Load Test Configuration

This test will demonstrate the durability of the door and its hardware (hinge leaf, screws, etc.) to an applied load of 200 pounds (90.72kg)

5.1.2 Test Procedure

Remove the shelf for this test. With unit and top set as described in Section No. 4.1, add sufficient weight to the top in order to prevent overturning. With cabinet door opened 90-degrees, hang a sling made up of two 100 pound (45.36kg) weights (shot bags or solid weights)

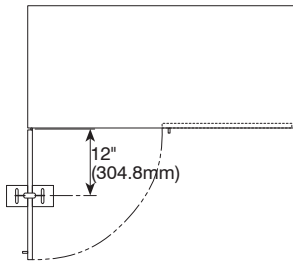


Figure 5b Base Cabinet Door Load Test Configuration

over the top of the door at a point 12" (304.8mm) out from the hinge centerline (See Figures 5a and 5b). slowly move door through the full cycle of the hinge, up to a 160-degree arc. Remove weight and swing door through its full intended range of motion and close door.

5.1.3 Acceptance Level

The open door shall withstand a load of 200 pounds (90.72kg) when applied at a point 12" (304.8mm) from the hinge centerline without significant permanent distortion. Operation of the door, after test, shall show no significant permanent distortion that will cause binding of the door or hinges or that it will adversely affect operation of the catch*.

**Certain unit configurations require hinge location to be such that load ratings are lower than the test model. See manufacturer for details.*

5.2 Door Impact Test

5.2.1 Purpose of Test

This test will demonstrate the resistance of a 240 inch-pounds (27.1 N-m) impact to the door face. Only units that extend below the *work surface* should be subjected to this test. This test should not be inclusive of glass doors.

5.2.2 Test Procedure

With unit and top set as described in Section No. 4.1, add sufficient weight to the top in order to prevent overturning. A 20 pound (9.07kg) sand bag (per Section No. 3.1) shall be suspended and dropped to provide an impact of 240 inch-pounds (27.1 N-m) at the center of the closed door.

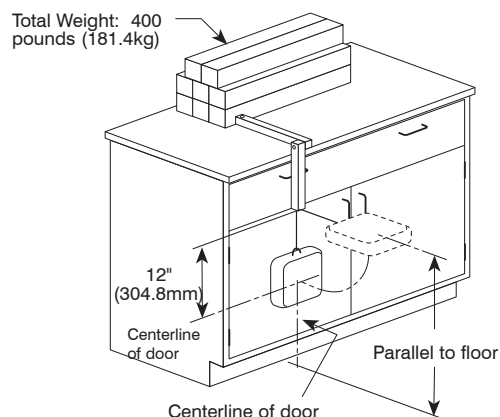


Figure 6 Base Cabinet Door Impact Test Configuration

(See Figure 6)

5.2.3 Acceptance Level

After the test, the door and catch shall operate normally and show no signs of *permanent damage*.

5.3 Door Cycle Test

5.3.1 Purpose of Test

This test will demonstrate the durability of the door hinge hardware to withstand 100,000 cycles as a reliable measure for longevity.

5.3.2 Test Procedure

this test shall be conformance to the ANSI test procedure A156.9, Grade 1, requirements for cycle testing of doors. A cycling mechanism shall swing door 90-degrees. Door shall operate for 100,000 cycles with a speed not greater than 15 cycles per minute.

5.3.3 Acceptance Level

Door shall operate for the full cycle period without deterioration that will significantly affect the function of the door. The door shall operate freely without binding.

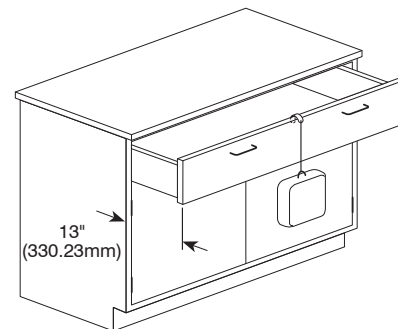


Figure 7 Base Cabinet Drawer Static Load Test Configuration

6.0 Drawers

6.1 Drawer Static Test

6.1.1 Purpose of Test

This test will demonstrate the durability to support a point load given to the front of the *drawer* and will challenge the attachment of the drawer head to the drawer.

6.1.2 Test Procedure

With unit and top set as described in Section No. 4.1, add sufficient weight to the top in order to prevent overturning. Open the drawer to 13" (330.2mm) of travel and hang 150 pounds (68.04kg) from the drawer head at the centerline of the drawer for five minutes.(See Figure 7). Remove the weight and operate the drawer through the full cycle.

6.1.3 Acceptance Level

There shall be no interference with the normal operation of the drawer.

6.2 Drawer and Door Pull Test

6.2.1 Purpose of Test

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This test will evaluate the strength of the pull and pull hardware.

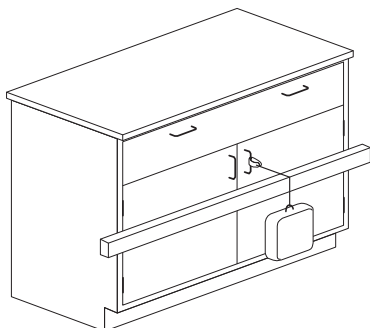


Figure 8 Base Cabinet Door and Drawer Pull Horizontal Load Test Configuration

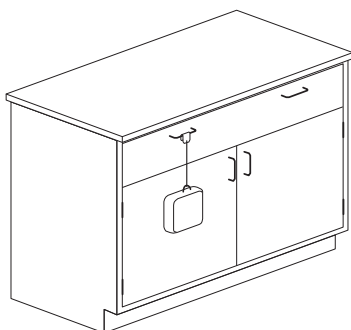


Figure 9 Base Cabinet Door and Drawer Pull Vertical Load Test Configuration

6.2.2 Test Procedure

Pulls are to be installed in accordance with manufacturer's practice using specified attaching *hardware* and method. Block door and *drawer* closed. Using a cable, pulley and weight assembly (See Figure 8), apply a force of 50 pounds (22.68kg) perpendicular to each pull. Revise setup to hang weight from each pull. (See Figure 9). Remove weight.

6.2.3 Acceptance Level

Pulls shall resist force and support weight without breakage. After completion of test and removal of weight, there shall be no significant permanent distortion. Some pull designs will require variations to set up apparatus. These pulls shall be tested in conformance to the applied pull forces.

6.3 Drawer Impact Test

6.3.1 Purpose of Test

This test will demonstrate the resistance to impact of the drawer bottom and slide mechanism.

6.3.2 Test Procedure

Open the drawer to 13" (330.2mm) of travel. Drop a 10 pound (4.54kg) sand or shot bag from a height of 24" (609.6mm) into the bottom of a drawer at the center of the width of the drawer and 6" (152.4mm) back from the inside face of the drawer. Remove the sand or shot bag.

6.3.3 Acceptance Level

Operate drawer through full cycle. Drawer shall operate normally. Any deformation will not cause binding or interfere with the operation of the drawer.

6.4 Drawer Internal Rolling Impact Test

6.4.1 Purpose of Test

This test will evaluate the strength of the drawer head, bottom and back as a result of opening and closing the drawer with a rolling load.

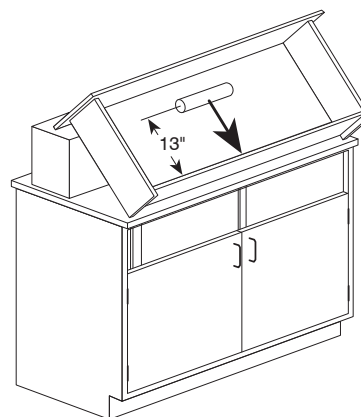


Figure 10 Base Cabinet Drawer Internal Rolling Impact Test Configuration

6.4.2 Test Procedure

Position the drawer on a table at a 45-degree angle per Figure 10. Place a 2" (50.8mm) diameter by 12" (304.8mm) long steel rod (approximately 10 pounds (4.54kg)) 13" (330.2mm) from the target impact area such that the rod will roll freely to impact the back of a drawer. Subject the back to three impacts and reverse the drawer to subject the front to three additional impacts.

6.4.3 Acceptance Level

The drawer shall show no signs (other than minor scratches and dents) of permanent damage. All joinery shall be intact and the drawer, when replaced in the unit, shall operate normally. Minor scratches and dents are acceptable.

6.5 Drawer Cycle Test

6.5.1 Purpose of Test

This test is intended to replicate years of operation of a drawer under full load.

6.5.2 Test Procedure

Laboratory Load – 100 pounds (45.36kg) A static of 100 pounds (45.36kg) (using ten 10-pound [4.54kg] sand bags per Section No. 3.1) shall be *uniformly distributed* in the *drawer*. Measure force required to activate the drawer. Operate from a closed position to within 1/4" (6.35mm) of full extension for 50,000 cycles at a rate not to exceed 10 cycles per minute.

Heavy Duty Laboratory Load – 150 pounds (68.04kg)

A static of 150 pounds (68.04kg) (using fifteen 10-pound

[4.54kg] sand bags per Section No. 3.1) shall be *uniformly distributed* in the drawer. Measure force required to activate the drawer. Operate from a closed position to within 1/4" (6.35mm) of full extension for 50,000 cycles at a rate not to exceed 10 cycles per minute.

6.5.3 Acceptance Level

The drawer shall operate freely without evidence of dragging, rubbing or binding. The force required to open and close loaded drawer shall not be more than a 20% increase of that required prior to test and shall not be greater than 8 pounds (3.63kg) to activate hardware.*

**The American's with Disabilities Act (ADA) requires a force no greater than five pounds to activate hardware. The load rating in this document is intended only for testing conditions where loads challenge the durability of the hardware. Under actual conditions, drawer loading should be reduced to levels that result in compliance with ADA as applicable.*

7.0 Drawers

Shelves, regardless of material or application, shall be tested using the following procedure. This is inclusive of shelves in wall cabinets, counter-mounted cabinets, full-height cabinets, wall-mounted shelves and free-standing shelves. Typical shelving materials include cold-rolled painted steel, stainless steel, plywood, high pressure laminate on composition core and high pressure laminate as a solid composite panel. Typical thicknesses are 3/4" (19.05mm) or 1" (25.4mm) for most applications. Values given are based on laboratory tests and fall within a normal range of properties for typical materials. Actual results may vary. Use this data as a guideline only. Other factors that should be evaluated when selecting shelving include chemical resistance, impact resistance, color and appearance, abrasion resistance, cost, and support requirements. Consult with the manufacturer for assistance with these other criteria.

7.1 Shelf Load Test

7.1.1 Purpose of Test

This test will demonstrate the ability of a shelf and its mounting hardware to support normal laboratory loads.

7.1.2 Test Procedure

A shelf shall be mounted in the manner in which it is designed. Measure the distance from the underside of the shelf to a reference point perpendicular to the center of the shelf. Use shot or sand bags weighing 10 pounds (4.54kg) each. Unless otherwise specified, load the shelf uniformly to 40 pounds (18.14kg) per square foot shelf area to a maximum of 200 pounds (90.72kg). Measure the deflection on the shelf by measuring the distance to the reference point and calculating the difference between the two measurements. Record data and remove load from the shelf.

7.1.3 Acceptance Level

Different materials will perform differently to the loads applied based on the Modulus of Elasticity for the material and the cross section moment of inertia for the shape of the material. Longer shelves will support less loads than

shorter shelves. The allowable maximum deflection of a shelf is 1/180 of the span and not in excess of .25" (6.35mm). The following formula may be used to calculate the approximate deflection expected from a uniformly distributed load:

$$D(\text{max.}) = 5W L^3 / 384 E I$$

WHERE:

D = Deflection in inches (Maximum 1/180 span, not to exceed .25 (6.35mm).

W = (Design Load) x (Shelf Depth in Inches) x (Shelf Span in Inches).

(Design Load = 40 pounds (18.14kg) / square foot divided by 144)

"W" shall not exceed .200 pounds (90.72kg).

L = Span between supports in inches.

E = Modulus of elasticity

Steel = 29×10^6 psi 1-M-2

Particleboard, with Hardwood Veneer 2s = 640,000 psi

D. Fir Veneer Core Plywood = 950,000 psi

1-M-2 Particleboard with high pressure plastic laminate 1/32" two sides with rigid glue line = 950,000 psi

Epoxy = 4.46×10^6 psi

Solid Composite Panel = 1.7×10^6 psi

I = Cross section moment of inertia.

8.0 Cabinet Surface Finish Tests

8.1 Chemical Spot Test

8.1.1 Purpose of Test

The purpose of the chemical spot test is to evaluate the resistance a finish has to chemical spills.

Note: Many organic solvents are suspected carcinogens, toxic and/or flammable. Great care should be exercised to protect personnel and the environment from exposure to harmful levels of these materials.

8.1.2 Test Procedure

Obtain one sample panel measuring 14" x 24" (355.6mm x 609.6mm). The received sample to be tested for chemical resistance as described herein.

Place panel on a flat surface, clean with soap and water and blot dry. Condition the panel for 48-hours at 73+ 3F (23+ 2(C) and 50+ 5% relative humidity. Test the panel for chemical resistance using forty-nine different chemical reagents by one of the following methods:

Method A – Test volatile chemicals by placing a cotton ball saturated with reagent in the mouth of a one-ounce (29.574cc) bottle and inverting the bottle on the surface of the panel.

Method B – Test volatile chemicals by placing five drops

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of the *reagent* on the surface of the panel and covering with a 24mm watch glass, convex side down.

For both of the above methods, leave the *reagents* on the panel for a period of **one hour**. Wash off the panel with water, clean with detergent and naphtha, and rinse with deionized water. Dry with a towel and evaluate after 24-hours at 73±3°F (23°±2°C) and 50±5% relative humidity using the following rating system:

Level 0 – No detectable change.

Level 1 – Slight change in color or gloss.

Level 2 – Slight surface etching or severe staining.

Level 3 – Pitting, cratering, swelling, or erosion of coating. Obvious and significant deterioration.

Test No.	Chemical Reagent	Test Method
1.	Acetate, Amyl	A
2.	Acetate, Ethyl	A
3.	Acetic Acid, 98%	B
4.	Acetone	A
5.	Acid Dichromate, 5%	B
6.	Alcohol, Butyl	A
7.	Alcohol, Ethyl	A
8.	Alcohol, Methyl	A
9.	Ammonium Hydroxide, 28%	B
10.	Benzene	A
11.	Carbon Tetrachloride	A
12.	Chloroform	A
13.	Chromic Acid, 60%	B
14.	Cresol	A
15.	Dichlor Acetic Acid	A
16.	Dimethylformamide	A
17.	Dioxane	A
18.	Ethyl Ether	A
19.	Formaldehyde, 37%	A
20.	Formic Acid, 90%	B
21.	Furfural	A
22.	Gasoline	A
23.	Hydrochloric Acid, 37%	B
24.	Hydrochloric Acid, 48%	B
25.	Hydrogen Peroxide, 3%	B
26.	Iodine, Tincture of	B
27.	Methyl Ethyl Ketone	A
28.	Methylene Chloride	A
29.	Mono Chlorobenzene	A
30.	Naphthalene	A
31.	Nitric Acid, 20%	B
32.	Nitric Acid, 30%	B
33.	Nitric Acid, 70%	B
34.	Phenol, 90%	A
35.	Phosphoric Acid, 85%	B
36.	Silver Nitrate, Saturated	B
37.	Sodium Hydroxide, 10%	B
38.	Sodium Hydroxide, 20%	B
39.	Sodium Hydroxide, 40%	B
40.	Sodium Hydroxide, Flake	B
41.	Sodium Hydroxide, Saturated	B

42.	Sulfuric Acid, 33%	B
43.	Sulfuric Acid, 77%	B
44.	Sulfuric Acid, 96%	B
45.	Sulfuric Acid, 77% and Nitric Acid, 70%, equal parts	B
46.	Toluene	A
47.	Trichloroethylene	A
48.	Xylene	A
49.	Zinc Chloride, Saturated	B

8.1.3 Acceptance Level

Results will vary from manufacturer to manufacturer.

Laboratory grade finishes should result in no more than four Level 3 conditions. Suitability for a given application is dependent upon the chemicals used in a given laboratory.

8.2 Hot Water Test

8.2.1 Purpose of Test

The purpose of this test is to insure the coating is resistant to hot water.

8.2.2 Test Procedure

Hot water, 190°F to 205°F (88°C to 96°C), shall be allowed to trickle (with a steady stream and at a rate of not less than 6 ounces (177.44cc) per minute on the surface, which shall be set at an angle of 45-degrees, for a period of five minutes.

8.2.3 Acceptance Level

After cooling and wiping dry, the finish shall show no visible effect from the hot water.

8.3 Impact Test

8.3.1 Purpose of Test

The purpose of this test is to evaluate the ductility of the coating.

8.3.2 Test Procedure

A one-pound ball approximately 2" (50.8mm) in diameter shall be dropped from a distance of 12" (304.8mm) onto a flat horizontal surface, coated to manufacturer's standard manufacturing method.

8.3.3 Acceptance Level

There shall be no visible evidence to the naked eye of cracks or checks in the finish due to impact.

8.4 Paint Adhesion on Steel Test

8.4.1 Purpose of Test

The paint adhesion test is used to determine the bond of the coating to steel. This does not apply to non-steel products.

8.4.2 Test Procedure

This test is based on ASTM D2197-86 "Standard Method of Test for Adhesion of Organic Coating". Two sets of eleven parallel lines 1/16" (1.587mm) apart shall be cut with a razor blade to intersect at right angles thus forming a grid of 100 squares. The cuts shall be made just deep enough to go through the coating, but not into the substrate. They shall then be brushed lightly with a soft

brush for one minute. Examine under 100-foot candles of illumination.

8.4.3 Acceptance Level

Ninety or more of the squares shall show finish intact.

8.5 Paint Hardness on Steel Test

8.5.1 Purpose of Test

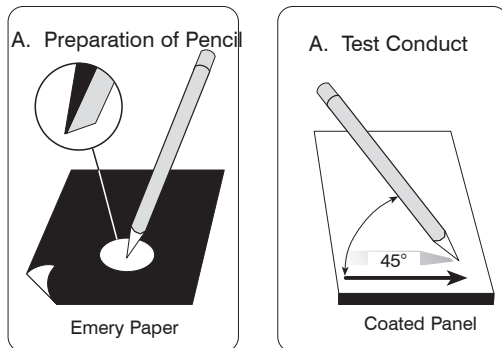


Figure 11 Cabinet Body Surface Hardness Test

The paint hardness test is used to determine the resistance of the coatings to scratches.

8.5.2 Test Procedure

Pencils, regardless of their brand, are valued in this way: 8-H is the hardest, and next 11 order of diminishing hardness are 7-H, 6-H, 5-H, 4-H, 3-H, 2-H, H, F, HB, B (soft), 2-B, 3-B, 4-B, 5-B (which are softest).

The pencils shall be sharpened on emery paper to a wide sharp edge (See Figure 11). Pencils of increasing hardness shall be pushed across the paint film in a chisel-like manner until one is found that will cut or scratch the film. The pencil used before that one, that is the hardest pencil that will not rupture the film, is then used to express or designate the hardness.

8.5.3 Acceptance Level

The paint shall have a hardness of 4-H minimum.

9.0 Wall, Counter-Mounted, and Tall Cabinets

9.1 Description of Test

Unit evaluation shall be conducted on a wall mounted cabinet with *nominal dimensions* as follows: 48" (1219.2mm) wide, 30" (762mm) high, and 12" (304.8mm) deep. The *wall cabinet* shall be manufactured to manufacturer's standard construction and practices. The wall cabinet shall have two swinging doors, designed in such a way that when the doors are open, access to the cabinet is unobstructed (See Figure 12). Door loading procedures are outlined under Section 5.0 (Doors). The wall cabinet will be provided with the manufacturer's standard number of shelves. Shelves shall be evaluated per Section 7.0 (Shelves). The unit and shelves shall be mounted in a manner recommended by the

manufacturer. A visual examination shall be conducted to verify that the configuration and installation comply with these conditions. Discontinue evaluation if unit is not in compliance or if malfunction is noted.

9.2 Load Test

9.2.1 Purpose of Test

The wall mounted load test will demonstrate the strength of the back of the *wall cabinet* as well as the *joinery* of the cabinet and function of doors when the unit is subjected to loads normally expected for *laboratory furniture*.

9.2.2 Test Procedure

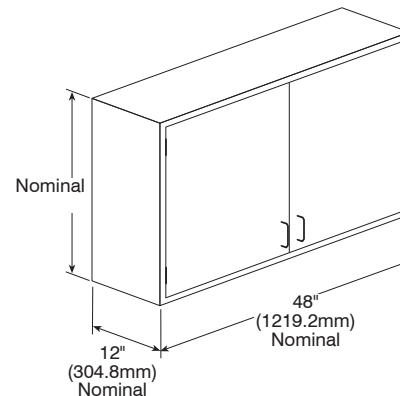


Figure 12 Wall Mounted Cabinet, Description of Test Cabinet Test

Using sand or shot bags weighing 10 pounds (4.54kg) each, load cabinet bottom, each shelf, and top uniformly with 40 pounds (18.14kg) per square foot to a maximum of 200 pounds (90.72kg) each. Maximum load to any cabinet shall not exceed 600 pounds (272.16kg), – a maximum of 200 pounds (90.72kg) loaded to each bottom, a minimum of one shelf loaded per Section 7.0, and the top – regardless of the number of shelves.

9.2.3 Acceptance Level

With weights in place, operate doors through full travel to verify normal operation of doors. Remove weights and operate doors to verify normal operation. Verify that there is no significant permanent deflection of cabinet top, cabinet back, cabinet bottom or shelves. After weights are removed, the cabinet shall show no *permanent damage* to the cabinet, cabinet bottom, or shelves.

10.0 Tables

10.1 Description of Test Unit

The table for evaluation shall be a standing height, four-legged, free-standing table. The table shall be nominally 60" (1,524mm) long, 24" (609.6mm) deep, and 36" (914.4mm) high. (See Figure 13). Leg and apron size and construction shall be to manufacturer's specification. A top of 1" (25.4mm) thick 37-50 pcf *medium density fiberboard* shall be positioned on the table in a manner recommended by the manufacturer. The top dimensions will be such that it will overhang the

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cabinet perimeter by 1". Its weight shall be included in the test as live load. *Tables* can be represented by a very large range of styles and designs. Products inclusive in this section of testing are: *Free-Standing Tables*, *Desks*, *Aprons* mounted between two fixed areas such as a wall or *casework*, *Mobile Tables* (Free-Standing Tables on wheels or casters), *Mobile Under-Counter Units*, *Mobile Workstations*, *Adjustable Tables*, *Modular Tables*, *C-Frame Tables*, *L-Frame Tables*, *J-Frame Tables*, and *Tables for systems furniture*. These table systems can all be classified as one of three types of tables; Fixed,

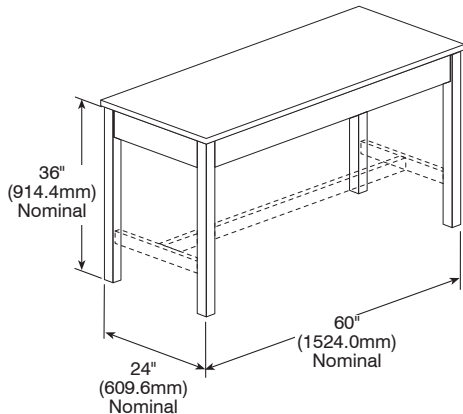


Figure 13 Description of Test Table

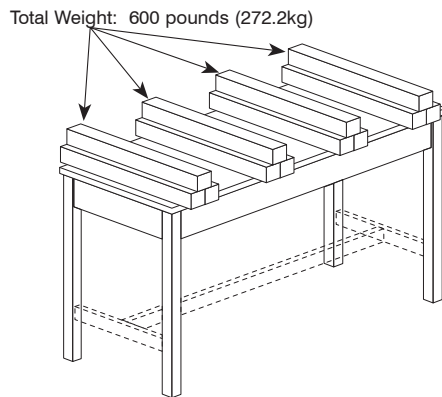


Figure 14 Table Static Load Test Configuration

Free-Standing, and Mobile.

10.2 Table Static Load Test

10.2.1 Purpose of Test

This test will challenge the *table* components to loads that are normal for use in a laboratory.

10.2.2 Test Procedure

Load the table top by using solid steel bars (Per Section 3.1), each weighing 50 pounds (22.68kg), stacked evenly and spaced per Section 14. Load the table to the manufacturer's recommended live load*. These evenly distributed loads should be no less than 300 pounds (136.08kg) for mobile, 600 pounds (272.16kg) for free-standing, and 2000 pounds (907.20kg) for fixed. Include the weight of the working surface as live load.

**Table load will vary considerably. Factors impacting live load capability include the size of the table, material, amount of drawers and book compartments, glide or caster load rating. Contact manufacturer for live load specifications.*

10.2.3 Acceptance Level

No structural breakage shall result from application of the load. With the full load, the apron *rails* shall not deflect more than 1.360 of the span of the table and not to exceed 1/8" (3.175mm). In the case of a *table* with a

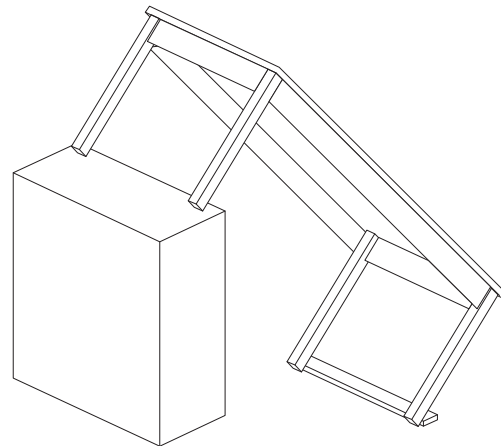


Figure 15 Table Racking Test Configuration

drawer, the deflection of the rail shall not interfere with the function of the drawer. After the load is removed, inspect the table for structural damage.

10.3 Table Racking Test

10.3.1 Purpose of Test

This test will demonstrate the structural integrity of the table construction when subjected to a racking load. Most racking failures occur upon dragging an unloaded table across the floor. The ability of the table to resist a racking load will indicate less damage to the structure. The following tests were based on and adapted from *ANSI/BIFMA X5.5-1989 American National Standard for Office Furnishings "Desks Products-Tests."* Adjustments have been made to better accommodate the specific applications of tables used in laboratories.

10.3.2 Test Procedure

The table shall be tested in its normal *upright position*, with floor glides or casters fully retracted and blocked to prevent the table from sliding. The table shall then be positioned at a 45° angle, with one pair of legs on the floor and the other raised and supported (See Figure 15), the unit shall remain in this position for thirty minutes. The unit shall be lowered without shock to the leveled surface and the general operation of the drawers

shall be evaluated. The procedure shall be repeated on the opposite end.

10.3.3 Acceptance Level

When returned to normal position, the operation of the table shall be normal, and there will be no signs of permanent damage.

Section 12345

Steel Laboratory Furniture Systems

Quality Assurance

Environmental Compliance

1. Recycled Steel Content for Laboratory Casework

All steel used in the product fabrication shall comply with the LEED II (Leadership in Energy and Environmental Design) Green Building Rating System. The manufacturer must submit documentation (i.e. "Source of Materials", Invoices, Third Party Validation, etc.) for steel purchased for this project providing recycled content. Such documentation shall be submitted to the Owner Representative/Architect for approval - prior to award of contract.

A. Sheet Steel: All "Cold Rolled" sheet steel used in the fabrication of laboratory cabinets, fume hoods and modular laboratory systems shall have a minimal of 20% recycled steel content.

B. Recycled Steel Content: Of this 20% recycled content, 60% shall be purchased scrap (i.e. old cars, appliances) with the remaining 40% from generated in-house scrap and manufacturing fall-off.

C. Fabricator Scrap: Fabricator shall provide documentation that manufacturing fall-off is recycled to respective steel mills and does not enter the solid waste system and/or become a product of landfill space.

2. Finish for Steel Laboratory Products

All Steel Laboratory Products shall utilize a dry powder coat paint process by means of electrostatically spray, providing high-transfer efficiency low waste generation. Any liquid-applied coatings **shall not** be acceptable. Manufacturer shall supply documentation that waste generated during the painting process, is a solid, non-hazardous material.

A. Pretreatment: Finish process shall incorporate a phosphate conversion coating during the pretreatment/cleaning operation. Electrostatic application of dry powder shall follow. Coated parts shall pass through curing ovens, which shall cause the powder to melt, flow, gel, cure and bond onto the phosphatized steel substrate.

Inset Steel Laboratory Furniture ADA Height Base Cabinets

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