



Product Guide

Functional Hardware | Storage & Organization



For well over a century, we have built our reputation on exceptional quality, innovation, and American-made craftsmanship. Our functional hardware isn't just built to last – it's built with pride, with much of it manufactured right here in the USA.



KV proudly stands as your trusted partner for quality, innovation & *American-Made Performance.*

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Drawer Slides

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How to Choose a Drawer Slide

Each drawer slide model has unique performance characteristics that are determined by the intended application for which it is designed. There are many different slides available for a variety of applications. Therefore, choose the slide that best fits your application.

Length: Slide length is a key characteristic. The choice of slide length depends on the length of the material for the application in use. The most common application is with drawers. Example: kitchen cabinets have a standard of 24" depth. Common kitchen cabinet drawers have a length of 22" so a 21" drawer slide is generally used.

Travel: The maximum extension compared to the closed length. Most slides are either 3/4 or full travel. Special extension lengths are available with modified travel.

- A 3/4 travel slide extends to approximately 75% of the slide's length.
- A full travel slide extends so that the drawer's back wall is even with the front of the cabinet - approximately equal to the slide's length.
- An over travel slide extends beyond the front of the cabinet frame by 1-2".

Width: Drawer width affects the synchronization of the drawer slides. In applications with wide drawers (24" <), the user has more leverage which can cause racking of the drawer*. Excessive racking can degrade performance and shorten the slide's life. For wider drawer applications we recommend slides designed for the width of the drawer.

Action: The type of mechanism used to carry the load affects slide performance, motion, noise, and the "fit and feel." KV slides feature rollers, ball-bearings, friction fits, or any combination in achieving movement. In general, superior action requires more rollers or ball-bearings to support and distribute large loads.

Size: In addition to a slide's load rating, the physical size of the drawer and its usage is a consideration. Drawers having unusual width, depth, or height require careful consideration to determine which slide best suits the application.

Operating Clearance: Drawer slides operate within a specified clearance (the space between the drawer and the case). The clearance must be strictly held within the specified tolerances. When the clearance is too wide or too narrow, the slide will experience additional forces and stresses that will reduce its expected performance and life.

Case Goods Construction and Materials: Slides perform better when mounted in rigidly constructed furniture. Construction with soft or thin materials often results in flexing. This causes the drawer to rack from side to side, placing considerable stress on the slides. Do not use drawer slides to provide structure for the application.

Application Factors

Location of Pull: The location of the drawer handle affects slide performance. Center pull positions are recommended because they permit an even pull force for both slides. Side or edge pulls rely on the user to put even force on the drawer when opening. However, the pull force can quickly be out of sync due to a person having more strength in one hand (dominant hand). The result is more force on one slide than the other. This may cause the drawer to rack. The additional side force may hinder performance and does shorten the slide's life.

Installation: Most slide designs require installation in a single position. Carefully study the application before installing the slides in different or abnormal positions.

Orientation: Slides should not be installed in an orientation other than for their intended usage. For example, a slide designed for Side-mounting may lose 75 percent or more of its load carrying capacity if mounted flat underneath a drawer.

Location: Drawer construction, pull position, and type of load are all key considerations to determine the best location to fasten the slides.

Balance: Most slides are designed for use in pairs. For example, suspending a load from just one side (cantilevered load) causes excessive stress and may result in premature slide failure.

Fastening: For best performance, slides require proper fastening. Use the recommended fasteners in sufficient quantity to properly secure the slide. Too few fasteners can cause the slide to pull loose and cause damage. Abnormal fastening methods should be carefully evaluated. Methods such as gluing, riveting, or welding may have unanticipated effects on the installation and operation of the slide.

Load Factors

Alignment: Properly aligned slides run in a synchronized manner maintaining a simultaneous rate of extension upon opening and closing. Therefore, when the slides are aligned, racking does not occur and the smoother the drawer will operate.

Load Ratings: KV designates drawer slides in "Pound Class" categories and uses dynamic (rather than static) loading to determine load ratings. The "Pound Class" categories are used within the slide industry as general guidelines for drawer slide selection. These categories are not the same as actual load ratings. Load ratings vary based on slide length, application, and case goods construction. The categories provide a reference point in selecting which slide may fit a particular application. The Pound Class designations are not intended as a substitute for actual product testing. Proper slide selection may be significantly different from the Pound Class designation, depending on the application or other use factors. Representative testing of the selected drawer slide in the fully configured application is the only way to assure proper performance, durability, and safety.

Static Loads: A load is at rest - no motion. Static load capacity is higher than dynamic load capacity.

Dynamic Loads: A load in motion. Slides must withstand more forces when in motion than when still. Dynamic loads are the limiting factor affecting the life and performance of any slide.

Other factors affecting performance are:

- An even or uneven load distribution
- The number of cycles
- The speed or frequency of cycles
- The length of the cycle stroke
- The percent of travel
- The stopping force and distance

Abnormal Loads/Vibration: Shipping, abusive loads, and impact loads—even in short duration—put large stresses on the slide and can cause immediate or premature failure. Excessive or continuous vibrations can also reduce slide performance and life.

Corrosion: Excessive humidity, salts, or other chemical agents can corrode the finish and attack metal or plastic components. The effects may be immediate, or they may develop over time.

Lubrication: Knap & Vogt lubricates slides at the factory. However, contaminants such as dirt, filings, sawdust, paints, etc. can rapidly break down the effectiveness of the factory-applied lubricant.

Temperature: Extreme high or low temperatures can cause lubricants viscosity to change. Extreme temperatures caused by equipment such as finishing ovens can deteriorate a slide's plastic and rubber components.

Finishing: Over-spray from stains, paints, varnishes, or other finishing agents may degrade the quality of a slide's "fit and feel." These types of chemical agents can also attack plastic, rubber, and metal slide components. It's important to properly mask or otherwise protect installed slides before finishing furniture and cabinetry.

Proper slide choice and installation are keys to long and problem-free operation. KV strongly recommends that manufacturers test representative samples of the complete application. Appropriate industry standards should be followed to assure proper performance, durability, and safety.

**Drawer Racking: situation that occurs when uneven pull force is applied to the drawer slides which prevents the synchronized extension of the slides. The result is the drawer advancing with an uneven, side-to-side motion.*

Drawer Slides Quick Reference Guide

			Slide Type			Extension			Disconnect Type					Open/Close Features							
Part Number	Mounting System	Load Class	Roller Bearing	Ball-Bearing	Undermount	3/4 Extension	Full Extension	1" Over Travel	No Disconnect	Friction Release	Lever Release	Lift Out	Quick Disconnect (QD RAIL)	Hold In Anti-Rebound	Hold-Out / Open	Lock-In	Lock Open	Self-Close	Push-to-Open	Soft-Close	Shelf Tabs
Light-Duty Slides																					
1175	Under	50	•			•					•	•									
1300	Side	75	•			•					•				•						
1805	Side	75	•			•						•		•	•		•	•			
8350	Side	75		•		•					•			•							
4400	Side	65		•			•				•			•							
4450	Side	65		•			•				•									•	
Medium-Duty Slides																					
900 Series	Under	75			•		•				•			•						•	
8400	Side	100		•			•				•			•							
8405	Side	90		•				•			•			•							
8407	Side	100		•			•				•			•							•
8414	Side	100		•			•				•			•	•						
8417	Side	100		•			•				•			•				•			
8419	Side	90		•				•			•			•				•			
8400RV	Side	100		•			•				•			•							
8450FM	Side	100		•			•				•			•						•	
8455FM	Side	90		•				•			•			•						•	
GS2070	Under	75			•		•				•			•						•	
GS4200	Side	100		•			•				•			•							
GS4205	Side	90		•				•			•			•							
GS4260	Side	100		•			•				•								•		
GS4270	Side	100		•			•				•									•	
TT100	Side	100		•			•				•			•							
DUR4500	Side	100		•			•				•			•							
Heavy-Duty Slides																					
6500	Side	125		•			•				•			•							
6505	Side	125		•				•			•			•							
8500	Side	150		•			•						•	•							
8505	Side	150		•				•					•	•							
8520	Side	175		•			•						•	•							
8525	Side	175		•				•					•	•							
8600	Side	150		•			•				•			•							
8605	Side	140		•				•			•			•							
8650FM	Side	150		•			•				•			•						•	
8655FM	Side	140		•				•			•			•						•	
8810	Side	200		•			•				•			•							
8815	Side	200		•				•			•			•							
8820	Side	200		•			•				•			•							
8850FM	Side	200		•			•				•									•	
8900	Side	150-500		•			•		•					•							
8908	Side	150-500		•			•		•							•	•				
Specialty Slides																					
6300	Side	100		•			•				•			•							
6400	Side	100		•			•				•			•							
8000	Under	130		•				•				•		•							
8150	Under	75		•		•					•			•	•						
8157	Under	75		•		•					•			•	•						
8250	Under	75		•		•					•			•							

Ball-Bearing Slides: Suggested Product Application Matrix

	Recommended Applications																					Available Stock Sizes																								
Part Number	Kitchen Cabinets	Bathroom Vanities	Desk & Credenza Box Drawers	Cabinetry	Mill Work	Lateral Files	Keyboard & Tray Units	Store Fixtures	Institutional Furniture	Fine Cabinetry	Wet/Corrosive Environments	Kitchen Pantries	Up & Over Hinge Doors	Entertainment Centers	Storage Cabinetry	Heavy-Duty Storage	Desk Trays	Pull-out Work Surfaces	Work Stations, Tool Storage	RV/Vehicles, Mobile Carts	Automotive	Undermount Applications	Metal Cabinets and Drawers	8"	10"	12"	13"	14"	15"	16"	18"	20"	22"	24"	26"	28"	30"	32"	34"	36"	40"	42"	48"	60"	Special Order Only	
4400	•	•	•	•																					•	•	•					•	•													
4450	•	•	•	•																					•	•	•																			
6300											•														•	•	•					•	•	•												
6400											•														•	•						•	•	•	•											
6500			•					•	•																	•						•	•	•	•											
6505			•					•	•																	•						•	•	•	•											
8000												•														•	•					•	•	•												
8050EZ													•													•	•					•	•	•	•											
8070EZ														•	•											•	•					•	•	•	•											
8071EZ														•												•	•					•	•	•	•											
8072EZ														•												•	•					•	•	•	•											
8080EZ														•	•											•	•					•	•	•	•											
8081EZ														•	•											•	•					•	•	•	•											
8082EZ														•	•											•	•					•	•	•	•											
8091									•					•			•									•	•					•	•	•	•	•	•									
8092									•					•			•									•	•					•	•	•	•	•	•									
8150							•																						•			•	•	•												
8157							•																					•				•	•	•												
8250																	•									•	•					•	•	•	•											
8350			•	•	•																					•	•					•	•	•	•											
8400			•	•	•																			•	•	•	•					•	•	•	•	•	•									
8405			•	•	•																				•	•						•	•	•	•	•	•									
8407			•	•	•																					•	•					•	•	•	•	•	•									
8414																		•								•	•					•	•	•	•											
8417	•			•					•																		•					•	•	•	•	•										
8419	•			•					•																							•	•	•	•	•										
8420																							•									•	•	•	•											
8400RV																				•					•	•					•	•	•	•	•	•										
8450FM			•	•	•																•					•	•					•	•	•	•	•	•									
8455FM			•	•	•																											•	•	•	•	•	•									
8500			•	•	•																					•	•					•	•	•	•	•	•	•	•							
8505			•	•	•																					•	•					•	•	•	•	•	•	•								
8520			•			•																										•	•	•												
8525			•			•																										•	•	•												
8600			•	•	•			•	•							•	•										•	•				•	•	•	•	•	•									
8605								•	•							•	•									•	•					•	•	•	•	•	•									
8650FM			•					•	•							•	•															•	•	•	•	•	•	•								
8655FM			•					•	•							•	•															•	•	•	•	•	•	•								
8810			•	•				•									•									•	•					•	•	•	•	•	•	•								
8815			•	•				•									•									•	•					•	•	•	•	•	•									
8820																								•																						
8850FM			•	•				•									•									•	•					•	•	•	•	•	•									
8900																	•		•	•					•	•					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
8908																	•		•	•	•					•	•				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GS4200			•	•	•																					•	•					•	•	•	•	•										
GS4205			•	•	•																					•	•					•	•	•	•	•										
GS4260	•		•						•																	•	•					•	•	•	•	•	•									
GS4270			•	•	•																					•	•					•	•	•	•	•	•									
TT100			•	•	•																					•	•					•	•	•	•	•	•									</

Roller Bearing Slides: Suggested Product Application Matrix

	Recommended Applications									Available Stock Sizes																										
	Kitchen Cabinets	Bathroom Vanities	Architectural Woodwork	Residential Furniture	Institutional Furniture	Office Furniture	Store Fixtures	Work Benches	Fine Cabinetry	Special Order Only	12"	14"	16"	18"	20"	22"	22-5/8"	24"	26"	28"	300mm	350mm	400mm	450mm	500mm	550mm	600mm	650mm								
Part Number																																				
1175	•	•													•	•	•	•																		
1300	•	•	•				•				•	•	•	•	•	•		•	•	•							•									
1805	•	•	•	•																	•	•	•	•	•	•										

Undermount Drawer Slide Size Guide

	Available Stock Sizes												
Part Number	9"	10"	12"	14"	15"	16"	18"	20"	21"	22"	24"	27"	30"
	●		●		●		●		●				
	●		●		●		●		●				
GS2070	●		●		●		●		●				
900 Series	●		●		●		●		●				

8350 3/4 Extension Drawer Slides



Features

- 32mm mounting hole pattern
- Lever disconnect permits easy drawer removal
- Non-handed design
- Recommended maximum drawer width 24"
- 3/4 extension drawer slide

Mounting: Side

Action: Ball-bearing movement

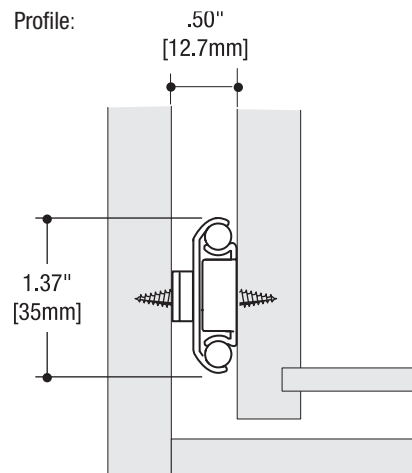
Load Rating: 75 lb. class

Height: 1.37" [35mm]

Clearance: .50" + .03" - 0" on each side

Finish: Anochrome (ANO)

Profile:



Configurations

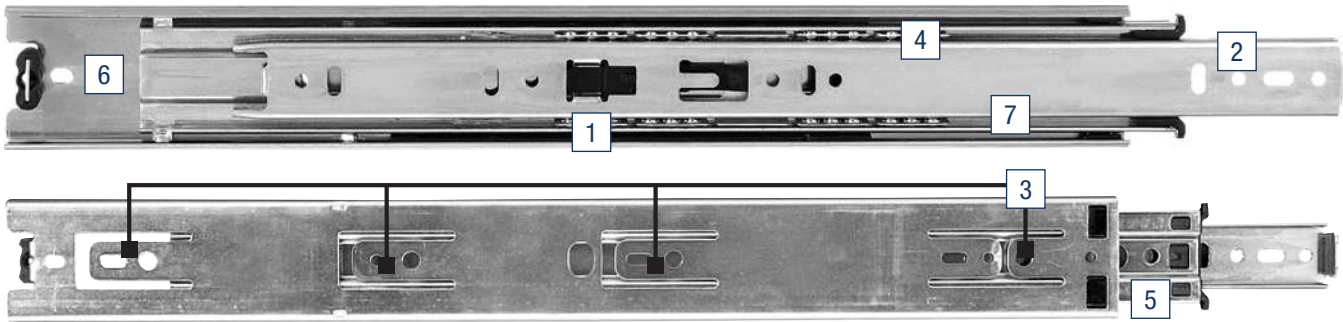


Bulk (B)	10 pairs per carton without screws
8350 Anochrome (ANO) Finish	
Size	Bulk (B)
12"	8350B 12
14"	8350B 14
16"	8350B 16
18"	8350B 18
20"	8350B 20
22"	8350B 22

■ Non-stock item – minimum order quantities and additional lead time may apply.

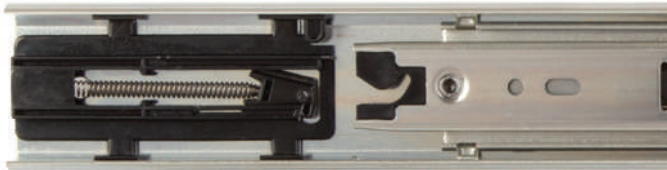
Recommended Fasteners	KV Part	Finish	Qty
#7 x 1/2" Phillips Pan Head Screws	8500-93	Zinc (ZC)	1000

8400 Series Drawer Slides



1. Push-in button for drawer disconnect is ergonomically designed for easy drawer removal.
2. Traditional and 32mm hole pattern supports industry standards for safely fastening slide in place.
3. Reversed flex tabs allow improved slide performance with side clearance tolerance adjustments.
4. Rolled ball-bearing raceway allows lateral loads to be carried by ball-bearings and not transferred to bushings sliding on metal.
5. Mounting hole is provided for face frame applications to eliminate the need for a separate bracket.
6. Access holes allow for drawer adjustments at full extension without removing drawer.
7. Lacquer finish provides superior corrosion resistance.

Self-Close Series Drawer Slides



Self-close slides use spring technology to close a drawer.

Models and Descriptions:

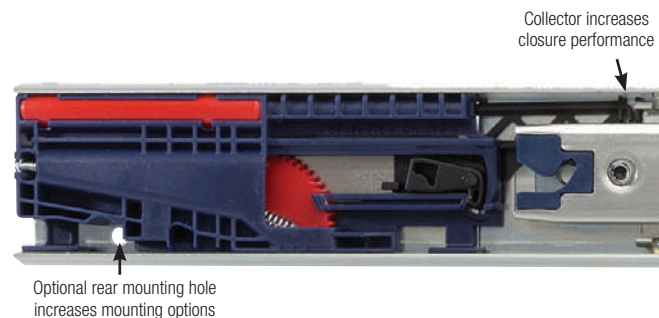
- 8417: Self-closing full extension
- 8419: Self-closing over travel drawer slide
- 8400RV: Heavy-duty self-closing full extension drawer slide

Features and Benefits:

- Self-close feature assist with the closing of a drawer and is fully integrated into the slide
- RV version has stronger springs to ensure closure in mobile applications

8450FM Soft-Close Drawer Slide

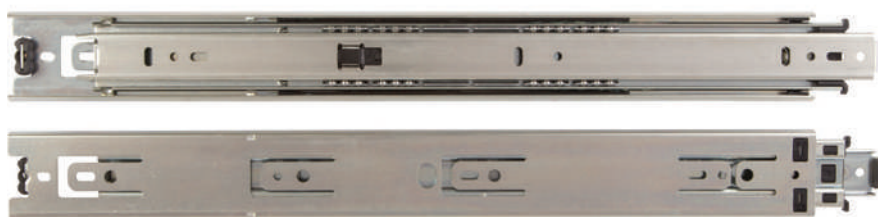
The KV8450FM series incorporates state-of-the-art soft-close technology. The fully integrated soft-close module brings drawer box to a smooth, quiet and secure closure.



8450FM Series Features and Benefits

- Patented KV design incorporates dampening cylinder with balanced spring technology
- Soft-close module is fully integrated into an KV8400 style slide with same side clearance allowing cabinet makers to migrate directly to KV8450FM series products with no set up changes
- Exceeds KCMA, BHMA and BIFMA standards of performance: over 50,000 cycles including the soft-close module

8400 Full Extension Box or File Drawer Slide



Features

- 32mm hole pattern with direct access mounting
- Lever disconnect for easy drawer removal
- Non-handed design
- Recommended maximum drawer width 24"

Mounting: Side

Action: Telescopic movement on ball-bearings

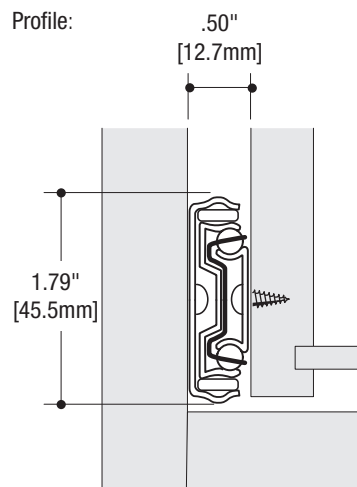
Load Rating: 100 lb. class

Height: 1.79" [45.5mm]

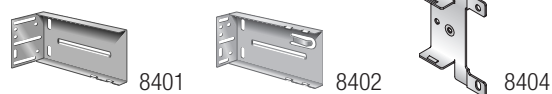
Clearance: .50" + .03" - 0" on each side

Finish: Anochrome (ANO), Ebony Black (EB), White (WH)

Profile:



Mounting Brackets



Product	Front or Rear	Finish	Pack
8401	Rear	Zinc (ZC)	20 brackets/carton
8402	Rear	Zinc (ZC)	20 brackets/carton
8402BBL	Rear	Zinc (ZC)	400 brackets/carton
8404**	Front	Zinc (ZC)	20 brackets/carton
8404B**	Front	Zinc (ZC)	100 brackets/carton
8404BBL**	Front	Zinc (ZC)	400 brackets/carton
8404B KIT**	Both	Zinc (ZC)	2 [8403] + 2 [8404] + screws

Configurations



Bulk (B)	10 pairs per carton without screws
Poly (P)	1 pair per bag with screws; 10 pairs per carton
Quantity (Q)	50 pairs without screws; multiple cartons

8400 Anochrome (ANO) Finish			
Size	Bulk (B)	Poly (P)	Quantity (Q)
8"	8400B 8	8400P 8	—
10"	8400B 10	8400P 10	8400Q 10
12"	8400B 12	8400P 12	8400Q 12
14"	8400B 14	8400P 14	8400Q 14
16"	8400B 16	8400P 16	8400Q 16
18"	8400B 18	8400P 18	8400Q 18
20"	8400B 20	8400P 20	8400Q 20
22"	8400B 22	8400P 22	8400Q 22
24"	8400B 24	8400P 24	8400Q 24
26"	8400B 26	8400P 26	—
28"	8400B 28	8400P 28	—

8400 Ebony Black (EB) Finish			
Size	Bulk (B)	Poly (P)	Quantity (Q)
12"	8400B EB 12	—	—
14"	8400B EB 14	—	—
16"	8400B EB 16	—	—
18"	8400B EB 18	—	—
20"	8400B EB 20	—	—
22"	8400B EB 22	—	—

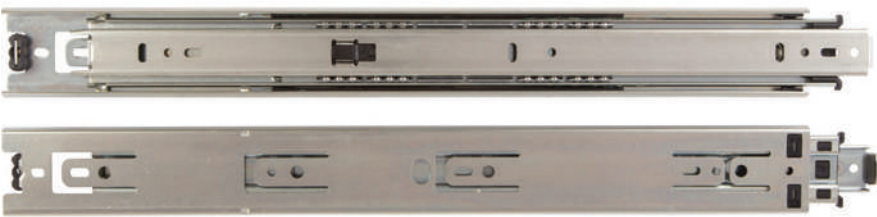
8400 White (WH) Finish			
Size	Bulk (B)	Poly (P)	Quantity (Q)
14"	8400B WH 14	—	—
16"	8400B WH 16	—	—
18"	8400B WH 18	—	—
20"	8400B WH 20	—	—
22"	8400B WH 22	—	—

Recommended Fasteners	KV Part	Finish	Qty
#7 x 1/2" Phillips Pan Head Screws	8500-93	Zinc (ZC)	1000
	8500-93 EB	Ebony Black (EB)	1000

■ Non-stock item – minimum order quantities and additional lead time may apply.



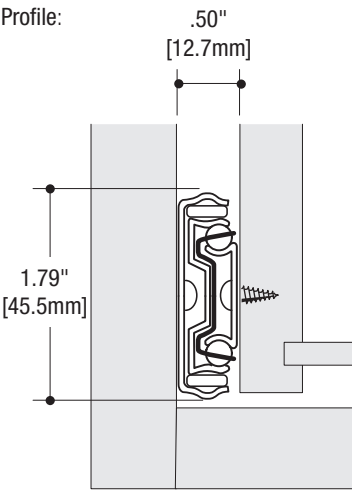
8405 Over Travel Box or File Drawer Slide



Features

- 1" over travel for full access to drawer contents
- Lever disconnect for easy drawer removal
- Non-handed design
- Recommended maximum drawer width 24"

Mounting: Side
Action: Telescopic action on ball-bearings
Load Rating: 100 lb. class
Height: 1.79" [45.5mm]
Clearance: .50" + .03" - 0" on each side
Finish: Anochrome (ANO), Ebony Black (EB)



Configurations

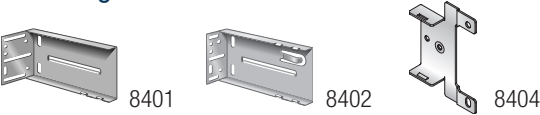


Bulk (B)	10 pairs per carton without screws		
Poly (P)	1 pair per bag with screws; 10 pairs per carton		
Quantity (Q)	50 pairs without screws; multiple cartons		
8405 Anochrome (ANO) Finish			
Size	Bulk (B)	Poly (P)	Quantity (Q)
10"	8405B 10	8405P 10	
12"	8405B 12	8405P 12	8405Q 12
14"	8405B 14	8405P 14	8405Q 14
16"	8405B 16	8405P 16	8405Q 16
18"	8405B 18	8405P 18	8405Q 18
20"	8405B 20	8405P 20	8405Q 20
22"	8405B 22	8405P 22	8405Q 22
24"	8405B 24	8405P 24	—
26"	8405B 26	8405P 26	—
28"	8405B 28	8405P 28	—
8405 Ebony Black (EB) Finish			
Size	Bulk (B)	Poly (P)	Quantity (Q)
10"	8405B EB 10	—	—
12"	8405B EB 12	—	—
14"	8405B EB 14	—	—
16"	8405B EB 16	—	—
18"	8405B EB 18	—	—
20"	8405B EB 20	—	—
22"	8405B EB 22	—	—
24"	8405B EB 24	—	—

 Non-stock item – minimum order quantities and additional lead time may apply.

Recommended Fasteners	KV Part	Finish	Qty
#7 x 1/2" Phillips Pan Head Screws	8500-93	Zinc (ZC)	1000

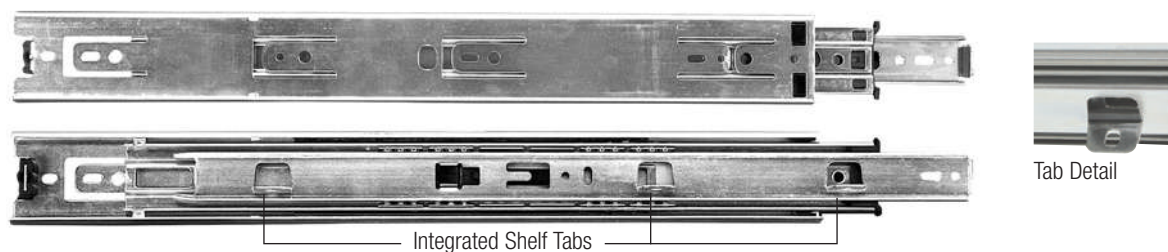
Mounting Brackets



Product	Front or Rear	Finish	Pack
8401	Rear	Zinc (ZC)	20 brackets/carton
8402	Rear	Zinc (ZC)	20 brackets/carton
8402BBL	Rear	Zinc (ZC)	400 brackets/carton
8404**	Front	Zinc (ZC)	20 brackets/carton
8404B**	Front	Zinc (ZC)	100 brackets/carton
8404BBL**	Front	Zinc (ZC)	400 brackets/carton
8404B KIT**	Both	Zinc (ZC)	2 [8403] + 2 [8404] + screws



8407 Full Extension Box or File Drawer Slide with Shelf Tabs



Features

- 32mm hole pattern with direct access mounting
- Lever disconnect for easy drawer removal
- Integrated shelf tabs
- Recommended maximum drawer width 24"

Mounting: Side

Action: Telescopic movement on ball-bearings

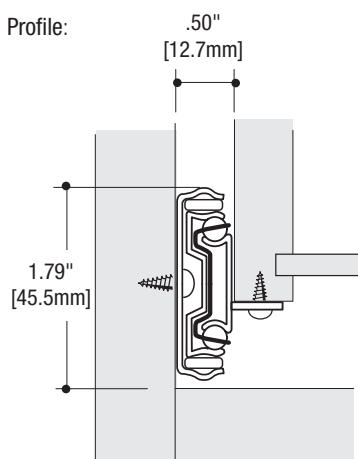
Load Rating: 100 lb. class

Height: 1.79" [45.5mm]

Clearance: .50" + .03" - 0" on each side

Finish: Anochrome (ANO)

Profile:



Configurations



Bulk (B)	10 pairs per carton without screws
Poly (P)	1 pair per bag with screws; 10 pairs per carton
8407 Anochrome (ANO) Finish	
Size	Bulk (B)
10"	8407B 10
12"	8407B 12
14"	8407B 14
16"	8407B 16
18"	8407B 18
20"	8407B 20
22"	8407B 22
24"	8407B 24
26"	8407B 26

☐ Non-stock item – minimum order quantities and additional lead time may apply.

Recommended Fasteners	KV Part	Finish	Qty
#7 x 1/2" Phillips Pan Head Screws	8500-93	Zinc (ZC)	1000

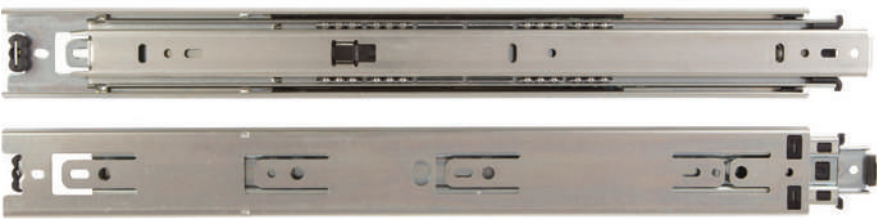
Mounting Brackets



Product	Front or Rear	Finish	Pack
8401	Rear	Zinc (ZC)	20 brackets/carton
8402	Rear	Zinc (ZC)	20 brackets/carton
8402BBL	Rear	Zinc (ZC)	400 brackets/carton
8404**	Front	Zinc (ZC)	20 brackets/carton
8404B**	Front	Zinc (ZC)	100 brackets/carton
8404BBL**	Front	Zinc (ZC)	400 brackets/carton
8404B KIT**	Both	Zinc (ZC)	2 [8403] + 2 [8404] + screws



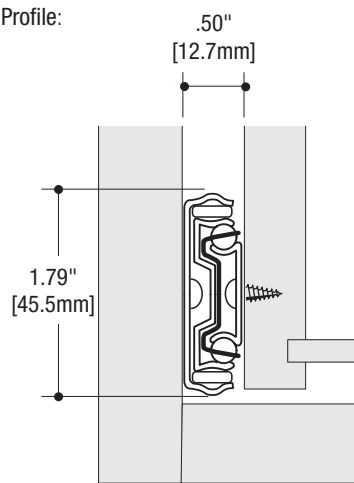
8414 Full Extension Hold-Out Precision Drawer Slide



Features

- 32mm hole pattern with direct access mounting
- Lever disconnect for easy drawer removal
- Hold-out feature holds slide in place when drawer is open
- Recommended maximum drawer width 24"

Mounting: Side
Action: Telescopic movement on ball-bearings
Load Rating: 100 lb. class
Height: 1.79" [45.5mm]
Clearance: .50" + .03" - 0" on each side
Finish: Anochrome (ANO)



Configurations



Bulk (B)	10 pairs per carton without screws	
Poly (P)	1 pair per bag with screws; 10 pairs per carton	
8414 Anochrome (ANO) Finish		
Size	Bulk (B)	Poly (P)
10"	8414B 10	—
12"	8414B 12	8414P 12
14"	8414B 14	8414P 14
16"	8414B 16	8414P 16
18"	8414B 18	8414P 18
20"	8414B 20	8414P 20
22"	8414B 22	8414P 22
24"	8414B 24	8414P 24

■ Non-stock item – minimum order quantities and additional lead time may apply.

Recommended Fasteners	KV Part	Finish	Qty
#7 x 1/2" Phillips Pan Head Screws	8500-93	Zinc (ZC)	1000

Mounting Brackets



Product	Front or Rear	Finish	Pack
8401	Rear	Zinc (ZC)	20 brackets/carton
8402	Rear	Zinc (ZC)	20 brackets/carton
8402BBL	Rear	Zinc (ZC)	400 brackets/carton
8404**	Front	Zinc (ZC)	20 brackets/carton
8404B**	Front	Zinc (ZC)	100 brackets/carton
8404BBL**	Front	Zinc (ZC)	400 brackets/carton
8404B KIT**	Both	Zinc (ZC)	2 [8403] + 2 [8404] + screws



8417, 8419, 8400RV Self-Closing Drawer Slides



Features

- 32mm hole pattern with direct access mounting
- Self-closing feature
- 8400RV features a stronger spring for mobile applications
- Recommended maximum drawer width 24"

Extension: 8417: Self-closing full extension drawer slide
 8419: Self-closing 1" over travel drawer slide
 8400RV: Heavy-Duty self-closing full extension drawer slide

Mounting: Side

Action: Telescopic movement on ball-bearings

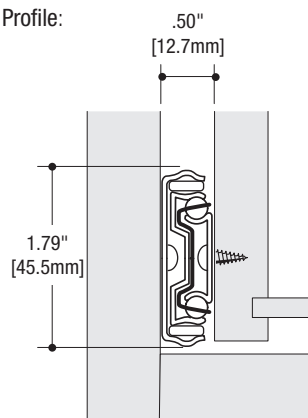
Load Rating: 100 lb. class (8417/8400RV); 90 lb. class (8419)

Height: 1.79" [45.5mm]

Clearance: .50" + .03" - 0" on each side

Finish: Anochrome (ANO)

Profile:

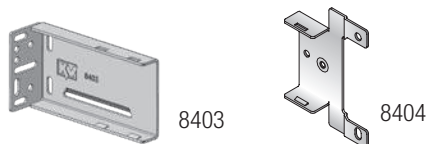


Configurations



Bulk (B)	10 pairs per carton without screws	
Poly (P)	1 pair per bag with screws; 10 pairs per carton	
8417 Anochrome (ANO) Finish		
Size	Bulk (B)	Poly (P)
12"	8417B 12	8417P 12
14"	8417B 14	8417P 14
16"	8417B 16	8417P 16
18"	8417B 18	8417P 18
20"	8417B 20	8417P 20
22"	8417B 22	8417P 22
24"	8417B 24	8417P 24
26"	8417B 26	8417P 26
8419 Anochrome (ANO) Finish		
Size	Bulk (B)	Poly (P)
14"	8419B 14	8419P 14
16"	8419B 16	8419P 16
18"	8419B 18	8419P 18
20"	8419B 20	8419P 20
22"	8419B 22	8419P 22
24"	8419B 24	8419P 24
26"	8419B 26	8419P 26
8400RV Anochrome (ANO) Finish		
Size	Bulk (B)	Poly (P)
10"	8400BRV 10	—
12"	8400BRV 12	—
14"	8400BRV 14	—
16"	8400BRV 16	—
18"	8400BRV 18	—
20"	8400BRV 20	—
22"	8400BRV 22	—
24"	8400BRV 24	—
26"	8400BRV 26	—
28"	8400BRV 28	—

Mounting Brackets



Product	Front or Rear	Finish	Pack
8403	Rear	Zinc (ZC)	20 brackets/carton
8403BBL	Rear	Zinc (ZC)	400 brackets/carton
8404	Front	Zinc (ZC)	20 brackets/carton
8404B	Front	Zinc (ZC)	100 brackets/carton
8404BBL	Front	Zinc (ZC)	400 brackets/carton
8404B KIT	Both	Zinc (ZC)	2 [8403] + 2 [8404] + screws

Recommended Fasteners	KV Part	Finish	Qty
#7 x 1/2" Phillips Pan Head Screws	8500-93	Zinc (ZC)	1000

8420 Metal Cabinet Drawer Slide



Features

- Bayonet and Belt Loop Mount
- Lever disconnect for easy drawer removal
- Recommended maximum drawer width 24"

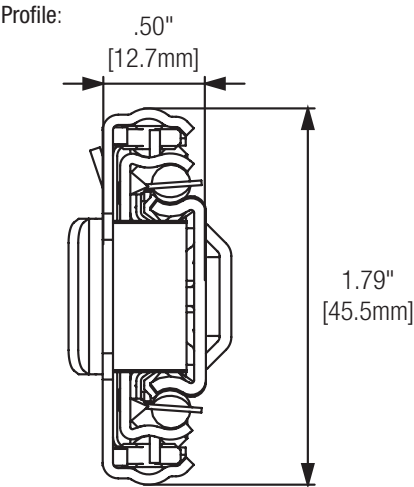
Extension: 8420: Full Extension
Mounting: Side (Bayonet and Belt Loop)
Action: Telescopic action on ball-bearings
Load Rating: 8420: 100 lb. class
Height: 1.79" [45.5mm]
Clearance: .50" + .03" - 0" on each side
Finish: Anochrome (ANO)

Configurations



Quantity (Q)	20 pairs without screws; multiple cartons
8420 Anochrome (ANO) Finish	
Size	Quantity (Q)
14"	8420Q 14
16"	8420Q 16
18"	8420Q 18
20"	8420Q 20
22"	8420Q 22
24"	8420Q 24
26"	8420Q 26
28"	8420Q 28

■ Non-stock item – minimum order quantities and additional lead time may apply.



8450FM, 8455FM Soft-Close Drawer Slide



Features

- Patented Force Management™ (FM) soft-close technology
- 32mm hole pattern with direct access mounting
- Lever disconnect for easy drawer removal
- Non-handed design
- Recommended maximum drawer width 24"

Extension: **8450FM:** Full extension

8455FM: 1" Over travel

Action: Telescopic movement on ball-bearings

Load Rating: **8450FM:** 100 lb. class

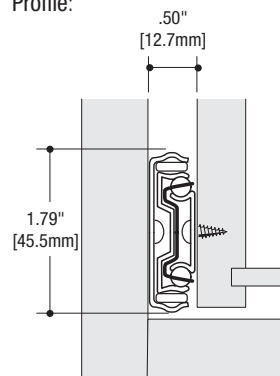
8455FM: 90 lb. class

Height: 1.79" [45.5mm]

Clearance: .50" + .03" - 0" on each side

Finish: Anochrome (ANO), Ebony Black (EB)

Profile:



Patented Force Management™ (FM)
soft-close technology

Configurations



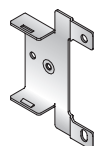
Bulk (B)	10 pairs per carton without screws	
Poly (P)	1 pair per bag with screws; 10 pairs per carton	
8450FM Anochrome (ANO) Finish		
Size	Bulk (B)	Poly (P)
12"	8450FMB 12	8450FMP 12
14"	8450FMB 14	8450FMP 14
16"	8450FMB 16	8450FMP 16
18"	8450FMB 18	8450FMP 18
20"	8450FMB 20	8450FMP 20
22"	8450FMB 22	8450FMP 22
24"	8450FMB 24	8450FMP 24
26"	8450FMB 26	8450FMP 26
28"	8450FMB 28	8450FMP 28
8450FM Ebony Black (EB) Finish		
Size	Bulk (B)	Poly (P)
14"	8450FMB EB 14	—
16"	8450FMB EB 16	—
18"	8450FMB EB 18	—
20"	8450FMB EB 20	—
22"	8450FMB EB 22	—
8455FM Anochrome (ANO) Finish		
Size	Bulk (B)	Poly (P)
16"	8455FMB 16	8455FMP 16
18"	8455FMB 18	8455FMP 18
20"	8455FMB 20	8455FMP 20
22"	8455FMB 22	8455FMP 22
24"	8455FMB 24	8455FMP 24
26"	8455FMB 26	8455FMP 26
28"	8455FMB 28	8455FMP 28

■ Non-stock item – minimum order quantities and additional lead time may apply.

Mounting Brackets



8403



8404



Product	Front or Rear	Finish	Pack
8403	Rear	Zinc (ZC)	20 brackets/carton
8403BBL	Rear	Zinc (ZC)	400 brackets/carton
8404	Front	Zinc (ZC)	20 brackets/carton
8404B	Front	Zinc (ZC)	100 brackets/carton
8404BBL	Front	Zinc (ZC)	400 brackets/carton
8404B KIT	Both	Zinc (ZC)	2 [8403] + 2 [8404] + screws

Recommended Fasteners	KV Part	Finish	Qty
#7 x 1/2" Phillips Pan Head Screws	8500-93	Zinc (ZC)	1000

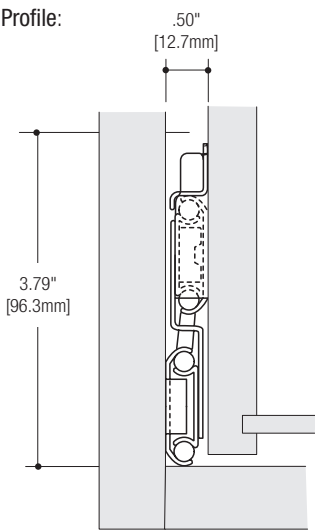
Less than Full Extension: 12" = 10.2" Extension

8500, 8505 Heavy-Duty File or Lateral Drawer Slides



Features

- 32mm hole pattern
 - Non-handed quick disconnect drawer members
 - Hold-in feature to prevent bounce back
 - Recommended maximum drawer width
 - 8500: 36"
 - 8505: 30"
- Extension:** 8500: Full extension
8505: 1.25" over travel
- Mounting:** Side
- Action:** Progressive movement on ball-bearings
- Load Rating:** 150 lb. class
- Height:** 3.79" [96.3mm] (includes quick disconnect rail)
- Clearance:** .50" + .03" - 0" on each side
- Finish:** Anochrome (ANO)



Configurations



Bulk (B)	5 pairs per carton without screws		
Poly (P)	1 pair per bag with screws; 5 pairs per carton		
Quantity (Q)	10 pairs without screws; multiple cartons		
8500 Anochrome (ANO) Finish			
Size	Bulk (B)	Poly (P)	Quantity (Q)
12"	8500B 12	8500P 12	—
14"	8500B 14	8500P 14	—
16"	8500B 16	8500P 16	8500Q 16
18"	8500B 18	8500P 18	8500Q 18
20"	8500B 20	8500P 20	8500Q 20
22"	8500B 22	8500P 22	8500Q 22
24"	—	8500P 24	—
26"	—	8500P 26	—
28"	—	8500P 28	—
30"	8500B 30	8500P 30	—
8505 Anochrome (ANO) Finish			
Size	Bulk (B)	Poly (P)	Quantity (Q)
12"	8505B 12	8505P 12	—
14"	8505B 14	8505P 14	8505Q 14
16"	8505B 16	8505P 16	8505Q 16
18"	8505B 18	8505P 18	8505Q 18
20"	8505B 20	8505P 20	—
22"	8505B 22	8505P 22	8505Q 22
24"	8505B 24	8505P 24	—
26"	8505B 26	8505P 26	—
28"	8505B 28	8505P 28	—
30"	8505B 30	8505P 30	—

■ Non-stock item – minimum order quantities and additional lead time may apply.

Recommended Fasteners	KV Part	Finish	Qty
#7 x 1/2" Phillips Pan Head Screws	8500-93	Zinc (ZC)	1000

8520, 8525 Extra Heavy-Duty File or Lateral Drawer Slides



Features

- 32mm hole pattern
- Non-handed quick disconnect drawer members
- Hold-in feature to prevent bounce back
- Recommended maximum drawer width
8520: 42"
8525: 36"

Extension: 8520: Full extension
8525: 1.25" over travel

Mounting: Side

Action: Progressive movement on ball-bearings

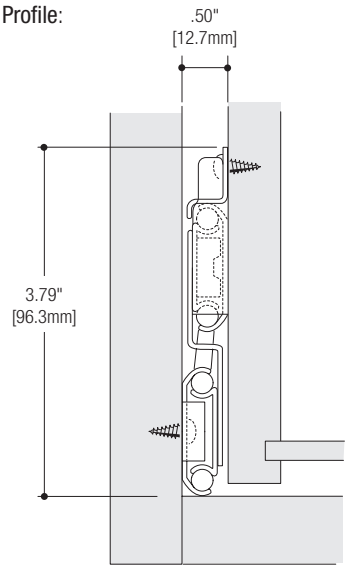
Load Rating: 175 lb. class

Height: 3.79" [96.3mm] (includes quick disconnect rail)

Clearance: .50" + .03" - 0" on each side

Finish: Anochrome (ANO)

Profile:



Configurations



Poly (P)	1 pair per bag with screws; 5 pairs per carton
8520 Anochrome (ANO) Finish	
Size	Poly (P)
16"	8520P 16
18"	8520P 18
20"	8520P 20
8525 Anochrome (ANO) Finish	
Size	Poly (P)
16"	8525P 16
18"	8525P 18
20"	8525P 20

■ Non-stock item – minimum order quantities and additional lead time may apply.

Recommended Fasteners	KV Part	Finish	Qty
#7 x 1/2" Phillips Pan Head Screws	8500-93	Zinc (ZC)	1000

8810, 8815 Heavy-Duty Drawer Slide



Features

- Non-handed design for easy installation
- Closed-position hold-in detent
- Butterfly lever release
- Recommended maximum drawer width 42"

Extension: 8810: Full Extension
8815: 1" Over Travel

Mounting: Side

Action: Telescopic movement on ball-bearings

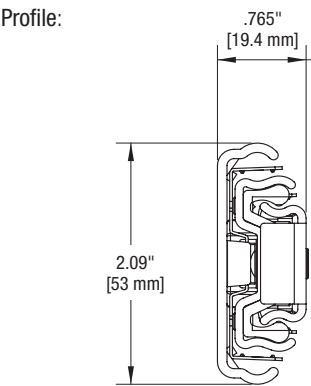
Load Rating: 8810: 200 lb. class
8815: 200 lb. class

- 100 lb. flat mount rating

Height: 2.09" [53mm]

Clearance: .765" + .02" - .01" on each side

Finish: Zinc (ZC)



Configurations



Bulk (B)	4 pairs per carton without screws
8810 Zinc (ZC) Finish	
Size	Bulk (B)
10"	8810B 10
12"	8810B 12
14"	8810B 14
16"	8810B 16
18"	8810B 18
20"	8810B 20
22"	8810B 22
24"	8810B 24
26"	8810B 26
28"	8810B 28
8815 Zinc (ZC) Finish	
Size	Bulk (B)
12"	8815B 12
14"	8815B 14
16"	8815B 16
18"	8815B 18
20"	8815B 20
22"	8815B 22
24"	8815B 24
26"	8815B 26
28"	8815B 28

Recommended Fasteners
#8 or #10 x 5/8" Phillips Flathead Screws

8000 Over Travel Undermount Pantry Drawer Slide



Removable
Mounting Brackets

Features

- Removable mounting brackets
- Hold-in detent
- Key-hole style mounting holes
- 1" over travel

Mounting: Bottom mount

Action: Telescopic movement on ball-bearings

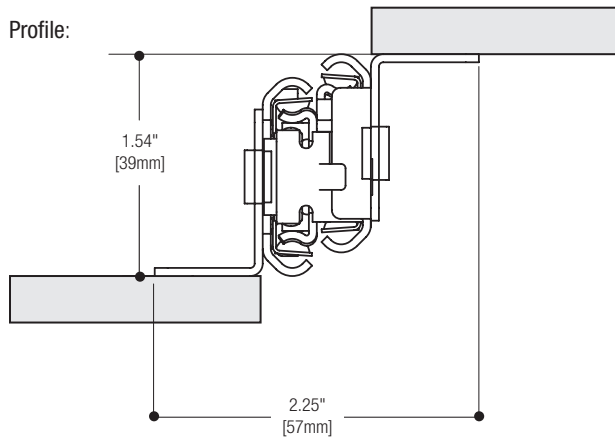
Load Rating: 130 lb. class

Height: 1.54" [39mm]
2.25" [57mm] (includes brackets)

Clearance: 3/4" (slide only); 2-1/4" (with brackets)

Finish: Anochrome (ANO)

Profile:



Configurations



Poly (P)	1 pair per bag with screws; 5 pairs per carton
8000 Anochrome (ANO) Finish	
Size	Poly (P)
12"	8000P 12
14"	8000P 14
16"	8000P 16
18"	8000P 18
20"	8000P 20
22"	8000P 22
24"	8000P 24
26"	8000P 26
28"	8000P 28

Recommended Fasteners	KV Part	Finish	Qty
#8 x 5/8" Phillips Pan Head Screws	200114-6	Zinc (ZC)	1000

8150, 8157 3/4 Extension Variable Height Keyboard Slide



Features

- Mounting brackets adjust to seven different heights and can be reversed for in-board/out-board mounting
- Track member quickly disconnects using positive lever release, easing installation
- Hold-out feature keeps drawer securely in the open position
- Hold-in feature prevents keyboard tray bounce back
- Recommended maximum drawer width 24"

Extension: 8150: 3/4 extension keyboard slide
8157: 3/4 extension keyboard slide with shelf tabs

Mounting: Under surface

Action: Ball-bearing movement

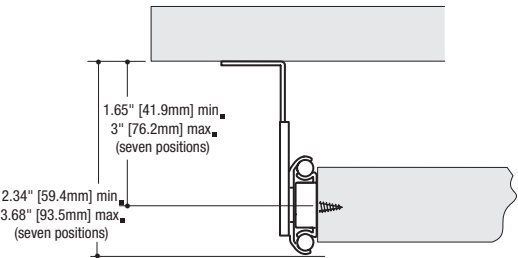
Load Rating: 75 lb. class

Height: Overall drop height adjusts from 2.34" [59.4mm] to 3.68" [93.5mm] in 7/32" increments

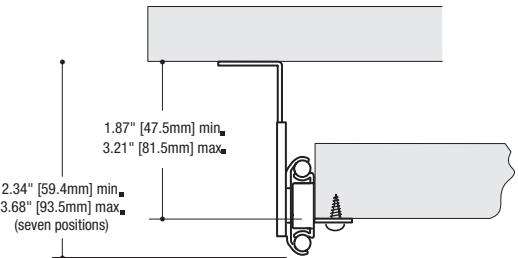
Clearance: 1.62" [41mm] per side out-board
.62" [15.7mm] per side in-board

Finish: Anochrome (ANO), Ebony Black (EB)

Profile:



8150



8157

Configurations



Poly (P)	1 pair per bag with screws; 10 pairs per carton
8150 Anochrome (ANO) Finish	
Size	Poly (P)
14"	8150P 14
16"	8150P 16
18"	8150P 18
20"	8150P 20
8150 Ebony Black (EB) Finish	
Size	Poly (P)
12"	8150P EB 12
14"	8150P EB 14
16"	8150P EB 16
18"	8150P EB 18
20"	8150P EB 20
8157 Anochrome (ANO) Finish	
Size	Poly (P)
14"	8157P 14
16"	8157P 16
18"	8157P 18
8157 Ebony Black (EB) Finish	
Size	Poly (P)
14"	8157P EB 14
16"	8157P EB 16

■ Non-stock item – minimum order quantities and additional lead time may apply.

Recommended Fasteners	KV Part	Finish	Qty
#7 x 1/2" Phillips Pan Head Screws	8500-93	Zinc (ZC)	1000

8250 3/4 Extension Variable Height Pencil or Center Drawer Slide



Features

- Mounting brackets adjust to seven heights and can be reversed for in-board and out-board mounting
- Anti-rebound stay-close design holds pencil drawer in closed position yet allows for easy opening
- Track member quickly disconnects using positive lever releases
- Recommended maximum drawer width 24"

Mounting: Under surface

Action: Ball-bearing movement

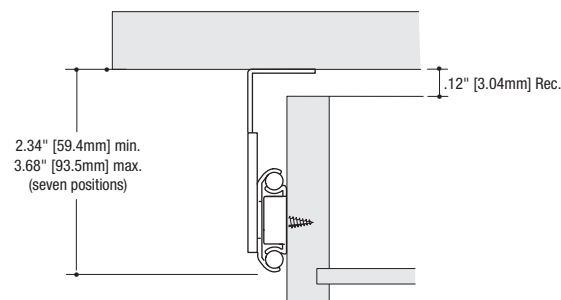
Load Rating: 75 lb. class

Height: Overall drop height 2.34" [59.4mm] to 3.68" [93.5mm] in 7/32" increments

Clearance: 1.62" [41mm] per side out-board
.53" [13.5mm] per side in-board

Finish: Anochrome (ANO)

Profile:



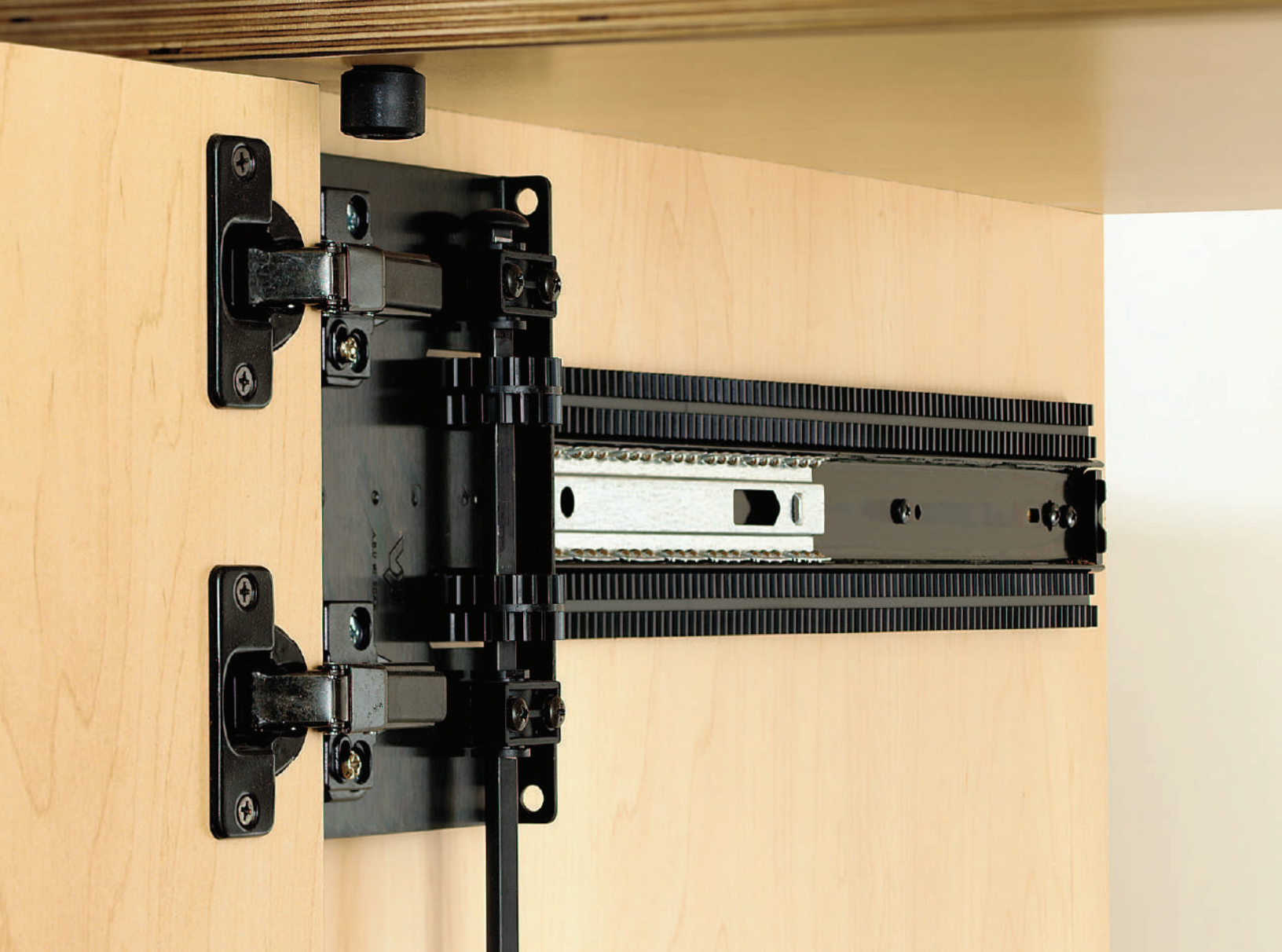
Configurations



Poly (P)	1 pair per bag with screws; 10 pairs per carton
8250 Anochrome (ANO) Finish	
Size	Poly (P)
12"	8250P 12
14"	8250P 14
16"	8250P 16
18"	8250P 18
20"	8250P 20
22"	8250P 22

■ Non-stock item – minimum order quantities and additional lead time may apply.

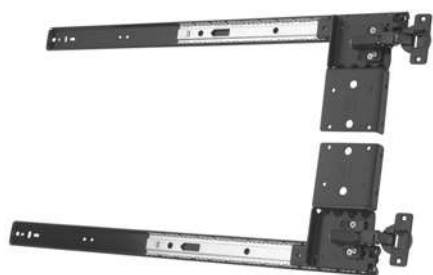
Recommended Fasteners	KV Part	Finish	Qty
#7 x 1/2" Phillips Pan Head Screws	8500-93	Zinc (ZC)	1000



Door Slides & Hing Kits

8070, 8071, 8072 Pivot Door Slides.	23
8080, 8081, 8082 Pivot Door Slides.	24
8091, 8092 4x4 Pivot Door Slides	25
4x4 Pocket Door Full Overlay Kit.	26
Salice Pocket Door Hinge Kits.	27

8070, 8071, 8072 Pivot Door Slides



Features

- Cabinet acts as installation jig
- Cushioned stops and door hold-out
- Three-way adjustable door hinge

Extension: 8070: 3/4 extension slide with self-close 35mm inset door hinge
 8071: 3/4 extension slide without hinge and baseplate
 8072: 3/4 extension slide with included hinge baseplate

Mounting: Side

Action: Ball-bearing movement

Load Rating: 30 lb. class

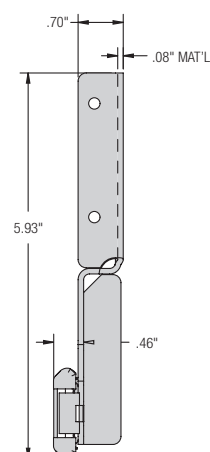
Maximum

Dimensions: Vertical doors: 42" high x 24" wide
 Horizontal pivot doors: 24" high x 48" wide

Finish: Ebony Black (EB)

Maximum Slide Width Including Hinge for Partition Installations		
Type	Grass	Salice
Self-close hinge	1-25/32"	1-21/32"
Free-swing hinge	1-25/32"	1-21/32"
Overlay hinge	1-25/32"	1-7/8"
Thick door hinge	2-5/32"	—
Extra-thick door hinge	2-15/32"	2-5/16"

Profile:



8090P CR Raised Panel Cassette Roller



Additional protection for raised panel doors

Product	Pack
8090P CR	1 per poly pack with screws; 20 per carton



Configurations

Poly (P)		1 pair per bag with screws; 10 pairs per carton			
8070EZ Ebony Black (EB)		8071EZ Ebony Black (EB)		8072EZ Ebony Black (EB)	
Includes standard 3/4 inset hinge and baseplate		Hinges and baseplates are not included		Baseplate included; Must order hinges separately	
Size	Poly (P)	Size	Poly (P)	Size	Poly (P)
12"	8070PEZ EB 12	12"	8071PEZ EB 12	12"	8072PEZ EB 12
14"	8070PEZ EB 14	14"	8071PEZ EB 14	14"	8072PEZ EB 14
16"	8070PEZ EB 16	16"	8071PEZ EB 16	16"	8072PEZ EB 16
18"	8070PEZ EB 18	18"	8071PEZ EB 18	18"	8072PEZ EB 18
20"	8070PEZ EB 20	20"	8071PEZ EB 20	20"	8072PEZ EB 20
22"	8070PEZ EB 22	22"	8071PEZ EB 22	22"	8072PEZ EB 22
24"	8070PEZ EB 24	24"	8071PEZ EB 24	24"	8072PEZ EB 24

Recommended Fasteners	KV Part	Finish	Qty
#6 x 13/32" Phillips Pan Head Screws	1300-83	Zinc (ZC)	1000

Hinge Kit Options



GRASS HINGES

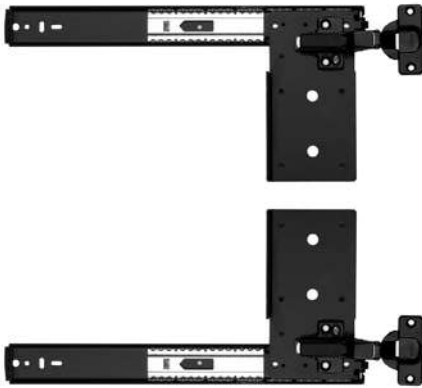
Hinge Kit (K)	2 hinges per kit; 10 kits per carton		
Grass Nickel Hinges (For Use with 8072)			
Kit (K)	Hinge Cup Size	Door Thickness	Application
8080 HKEZS	35 mm	3/4"	Inset
8080 HKEZL	40 mm	3/4"	Partial Overlay
8080 HKEZF	35 mm	3/4"	Inset - Free Swing
8086 HKEZX	40 mm	1-1/4"	Inset - Extra Thick Door
Grass Ebony Black (EB) Hinges (For Use with 8072)			
Kit (K)	Hinge Cup Size	Door Thickness	Application
8080 HKEZSEB	35 mm	3/4"	Inset
8080 HKEZLEB	40 mm	3/4"	Partial Overlay
8085 HKEZTEB	40 mm	1"	Inset - Thick Door
8086 HKEZXEB	40 mm	1-1/4"	Inset - Extra Thick Door

SALICE HINGES	Salice Hinges (For Use with 8071) Nickel Finish (hinge base included)			
	Kit (K)	Hinge Cup Size	Door Thickness	Application
	8080 HKS SAL	35 mm	3/4"	Inset
	8080 HKF SAL	35 mm	3/4"	Inset - Free Swing
	8080 HKL SAL	40 mm	3/4"	Partial Overlay
	8086 HKX SAL	40 mm	1-1/4"	Inset - Thick Door
	Salice Hinges (For Use with 8071) Ebony Black (EB) Finish (hinge base included)			
	Kit (K)	Hinge Cup Size	Door Thickness	Application
	8080 HKS SAL EB	35 mm	3/4"	Inset
	8080 HKL SAL EB	40 mm	3/4"	Partial Overlay

SALICE SOFT-CLOSE HINGES	Salice Soft-Close Hinges (For Use with 8071) Nickel Finish (hinge base included)			
	Kit (K)	Hinge Cup Size	Door Thickness	Application
	8080 HKS SAL SC	35 mm	3/4"	Inset
	8080 HKL SAL SC	40 mm	3/4"	Partial Overlay
	8086 HKX SAL SC	40 mm	1-1/4"	Inset - Thick Door
	Salice Soft-Close Hinges (For Use with 8071) Titanium (TI) Finish (hinge base included)			
	Kit (K)	Hinge Cup Size	Door Thickness	Application
	8080HKSSAL TISC	35 mm	3/4"	Inset
	8080HKLSAL TISC	40 mm	3/4"	Partial Overlay
	8086HKXSAL TISC	40 mm	1-1/4"	Inset - Thick Door

For additional product details, please refer to the KV Hinges section.

8080, 8081, 8082 Pivot Door Slides



Features

- Cushioned stops and door hold-out
- Three-way adjustable door hinge

Extension: 8080: 3/4 extension slide with self-close 35mm inset door hinge
 8081: 3/4 extension slide without hinge and baseplate
 8082: 3/4 extension slide with attached hinge baseplate

Mounting: Side

Action: Ball-bearing movement

Load Rating: 30 lb. class

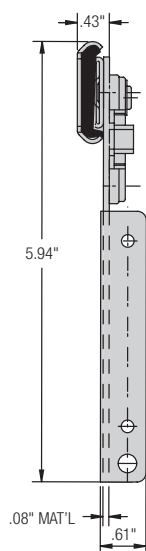
Maximum

Dimensions: Vertical doors: 42" high x 24" wide
 Horizontal pivot doors: 24" high x 48" wide

Finish: Anochrome (ANO), Ebony Black (EB)

Maximum Slide Width Including Hinge for Partition Installations		
Type	Grass	Salice
Self-close hinge	1-25/32"	1-21/32"
Free-swing hinge	1-25/32"	1-21/32"
Overlay hinge	1-25/32"	1-7/8"
Thick door hinge	2-5/32"	—
Extra-thick door hinge	2-15/32"	2-5/16"

Profile:



8090P CR Raised Panel Cassette Roller

Additional protection for raised panel doors

Product	Pack
8090P CR	1 per poly pack with screws; 20 per carton

Configurations



Poly (P) 1 pair per bag with screws; 10 pairs per carton					
8080EZ Anochrome (ANO)		8081EZ Anochrome (ANO)		8082EZ Anochrome (ANO)	
Includes hinges and bases		No hinges or bases		Hinge base only	
Size	Poly (P)	Size	Poly (P)	Size	Poly (P)
12"	8080PEZ 12	12"	8081PEZ 12	12"	8082PEZ 12
14"	8080PEZ 14	14"	8081PEZ 14	14"	8082PEZ 14
16"	8080PEZ 16	16"	8081PEZ 16	16"	8082PEZ 16
18"	8080PEZ 18	18"	8081PEZ 18	18"	8082PEZ 18
20"	8080PEZ 20	20"	8081PEZ 20	20"	8082PEZ 20
22"	8080PEZ 22	22"	8081PEZ 22	22"	8082PEZ 22
24"	8080PEZ 24	24"	8081PEZ 24	24"	8082PEZ 24
8080EZ Ebony Black (EB)		8081EZ Ebony Black (EB)		8082EZ Ebony Black (EB)	
12"	8080PEZ EB 12	—	—	12"	8082PEZ EB 12
14"	8080PEZ EB 14	—	—	14"	8082PEZ EB 14
16"	8080PEZ EB 16	—	—	16"	8082PEZ EB 16
18"	8080PEZ EB 18	—	—	18"	8082PEZ EB 18
20"	8080PEZ EB 20	—	—	20"	8082PEZ EB 20
22"	8080PEZ EB 22	—	—	22"	8082PEZ EB 22
24"	8080PEZ EB 24	—	—	24"	8082PEZ EB 24

Recommended Fasteners	KV Part	Finish	Qty
#6 x 13/32" Phillips Pan Head Screws	1300-83	Zinc (ZC)	1000

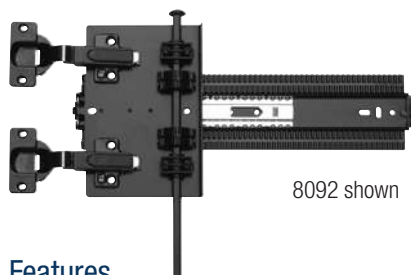
Hinge Kit Options



Hinge Kit (K)			
2 hinges per kit; 10 kits per carton			
Grass Nickel Hinges (For Use with 8082)			
Kit (K)	Hinge Cup Size	Door Thickness	Application
8080 HKEZS	35 mm	3/4"	Inset
8080 HKEZL	40 mm	3/4"	Partial Overlay
8080 HKEZF	35 mm	3/4"	Inset - Free Swing
8086 HKEZX	40 mm	1-1/4"	Inset - Extra Thick Door
Grass Ebony Black (EB) Hinges (For Use with 8082)			
Kit (K)	Hinge Cup Size	Door Thickness	Application
8080 HKEZSEB	35 mm	3/4"	Inset
8080 HKEZLEB	40 mm	3/4"	Partial Overlay
8085 HKEZTEB	40 mm	1"	Inset - Thick Door
8086 HKEZXEB	40 mm	1-1/4"	Inset - Extra Thick Door
Salice Hinges (For Use with 8081) Nickel Finish (hinge base included)			
Kit (K)	Hinge Cup Size	Door Thickness	Application
8080 HKS SAL	35 mm	3/4"	Inset
8080 HKF SAL	35 mm	3/4"	Inset - Free Swing
8080 HKL SAL	40 mm	3/4"	Partial Overlay
8086 HKX SAL	40 mm	1-1/4"	Inset - Thick Door
Salice Hinges (For Use with 8081) Ebony Black (EB) Finish (hinge base included)			
Kit (K)	Hinge Cup Size	Door Thickness	Application
8080 HKS SAL EB	35 mm	3/4"	Inset
8080 HKL SAL EB	40 mm	3/4"	Partial Overlay
8086 HKX SAL EB	40 mm	1-1/4"	Inset - Thick Door
Salice Soft-Close Hinges (For Use with 8081) Nickel Finish (hinge base included)			
Kit (K)	Hinge Cup Size	Door Thickness	Application
8080 HKS SAL SC	35 mm	3/4"	Inset
8080 HKL SAL SC	40 mm	3/4"	Partial Overlay
8086 HKX SAL SC	40 mm	1-1/4"	Inset - Thick Door
Salice Soft-Close Hinges (For Use with 8081) Titanium (TI) Finish (hinge base included)			
Kit (K)	Hinge Cup Size	Door Thickness	Application
8080HKSSAL TISC	35 mm	3/4"	Inset
8080HKLSAL TISC	40 mm	3/4"	Partial Overlay
8086HKXSAL TISC	40 mm	1-1/4"	Inset - Thick Door

For additional product details, please refer to the KV Hinges section.

8091, 8092 4x4 Pivot Door Slides



8092 shown

Features

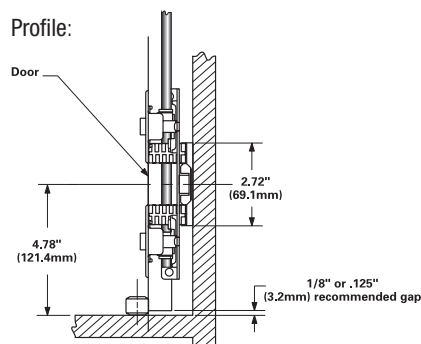
- Rack and pinion design
- Multiple hinge options
- Greatly reduces door sag

NOTE: 3/4 Full Overlay applications require 8091 slides.
Full Overlay Kit and 8091 slides must be attached to a partition wall (not to cabinet side).

8091: Hinge and baseplate not included
8092: Baseplate attached; hinge must be ordered separately
Mounting: Side
Action: Ball-bearing movement
Load Rating: 75 lb. class
Maximum
Dimensions: Vertical doors: 72" high x 26" wide
Finish: Ebony Black (EB)

Maximum Slide Width Including Hinge for Partition Installations		
Type	Grass	Salice
Self-close hinge	1-25/32"	1-21/32"
Free-swing hinge	1-25/32"	1-21/32"
Overlay hinge	1-25/32"	1-7/8"
Thick door hinge	2-5/32"	—
Extra-thick door hinge	2-15/32"	2-5/16"

Profile:



8090B Pinion Shafts for 4x4 Pocket Door Slides

SB Pack (SB) - 2 each		Bulk Pack (B) - 10 each
8090B Pinion Shaft Ebony Black (EB) Finish		
Size	Bulk (B)	Quantity
36"	8090B EB 36	10
48"	8090B EB 48	10
72"	8090B EB 72	10
8092SB Pinion Shaft Ebony Black (EB) Finish		
Size	Bulk (B)	Quantity
36"	8092SB EB 36	2
48"	8092SB EB 48	2
72"	8092SB EB 72	2

8090P CR Raised Panel Cassette Roller

Additional protection for raised panel doors

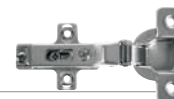
Product	Pack
8090P CR	1 per poly pack with screws; 20 per carton



Configurations

Poly (P)		1 pair per bag with screws; 1 pair per carton	
8091 Ebony Black (EB)		8092 Ebony Black (EB)	
Size	Poly (P)	Size	Poly (P)
12"	8091SP EB 12	12"	8092SP EB 12
13"	8091SP EB 13	13"	8092SP EB 13
14"	8091SP EB 14	14"	8092SP EB 14
15"	8091SP EB 15	15"	8092SP EB 15
16"	8091SP EB 16	16"	8092SP EB 16
18"	8091SP EB 18	18"	8092SP EB 18
20"	8091SP EB 20	20"	8092SP EB 20
22"	8091SP EB 22	22"	8092SP EB 22
24"	8091SP EB 24	24"	8092SP EB 24
26"	8091SP EB 26	26"	8092SP EB 26
28"	8091SP EB 28	28"	8092SP EB 28
30"	8091SP EB 30	30"	8092SP EB 30
Recommended Fasteners		KV Part	Finish
#6 x 13/32" Phillips Pan Head Screws		1300-83	Zinc (ZC)
			Qty
			1000

Hinge Kit Options



GRASS HINGES

Hinge Kit (K)	2 hinges per kit; 10 kits per carton		
Grass Nickel Hinges (For Use with 8092)			
Kit (K)	Hinge Cup Size	Door Thickness	Application
8080 HKEZS	35 mm	3/4"	Inset
8080 HKEZL	40 mm	3/4"	Partial Overlay
8080 HKEZF	35 mm	3/4"	Inset - Free Swing
8086 HKEZX	40 mm	1-1/4"	Inset - Extra Thick Door
Grass Ebony Black (EB) Hinges (For Use with 8092)			
Kit (K)	Hinge Cup Size	Door Thickness	Application
8080 HKEZSEB	35 mm	3/4"	Inset
8080 HKEZLEB	40 mm	3/4"	Partial Overlay
8085 HKEZTEB	40 mm	1"	Inset - Thick Door
8086 HKEZXEB	40 mm	1-1/4"	Inset - Extra Thick Door

SALICE HINGES

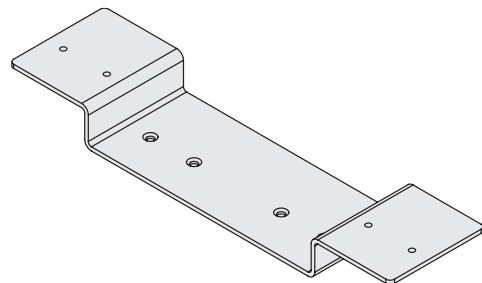
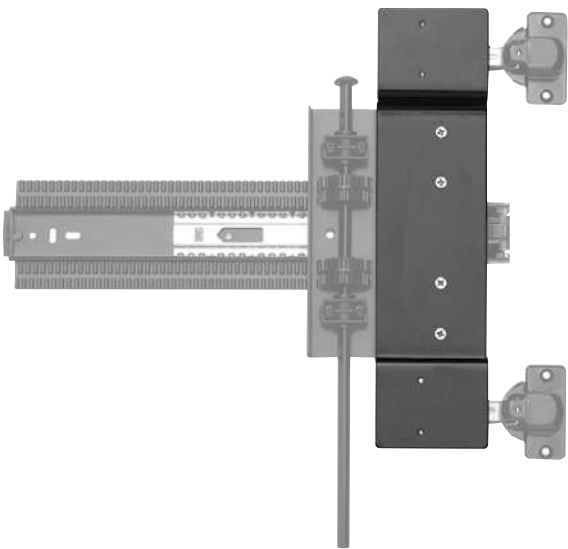
Salice Hinges (For Use with 8091) Nickel Finish (hinge base included)			
Kit (K)	Hinge Cup Size	Door Thickness	Application
8080 HKS SAL	35 mm	3/4"	Inset
8080 HKF SAL	35 mm	3/4"	Inset - Free Swing
8080 HKL SAL	40 mm	3/4"	Partial Overlay
8086 HKX SAL	40 mm	1-1/4"	Inset - Thick Door
Salice Hinges (For Use with 8091) Ebony Black (EB) Finish (hinge base included)			
Kit (K)	Hinge Cup Size	Door Thickness	Application
8080 HKS SAL EB	35 mm	3/4"	Inset
8080 HKL SAL EB	40 mm	3/4"	Partial Overlay
8086 HKX SAL EB	40 mm	1-1/4"	Inset - Thick Door

SALICE SOFT-CLOSE HINGES

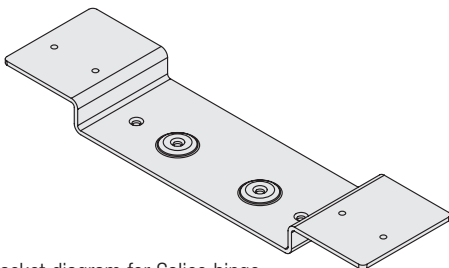
Salice Soft-Close Hinges (For Use with 8091) Nickel Finish (hinge base included)			
Kit (K)	Hinge Cup Size	Door Thickness	Application
8080 HKS SAL SC	35 mm	3/4"	Inset
8080 HKL SAL SC	40 mm	3/4"	Partial Overlay
8086 HKX SAL SC	40 mm	1-1/4"	Inset - Thick Door
Salice Soft-Close Hinges (For Use with 8091) Titanium (TI) Finish (hinge base included)			
Kit (K)	Hinge Cup Size	Door Thickness	Application
8080HKSSAL TISC	35 mm	3/4"	Inset
8080HKLSAL TISC	40 mm	3/4"	Partial Overlay
8086HKXSAL TISC	40 mm	1-1/4"	Inset - Thick Door

For additional product details, please refer to the KV Hinges section.

4x4 Pocket Door Full Overlay Kit



Bracket diagram for Grass hinge



Bracket diagram for Salice hinge

NOTE: 3/4 Full Overlay applications require 8091 slides. Full Overlay Kit and 8091 slides must be attached to a partition wall (not to cabinet side).

Features

- Provides a full door overlay on doors up to 3/4" thick
- Does not compromise key performance features of 4x4 pocket door system
- Systems for both Grass and Salice hinges
- Requires 8091 slide
- Self and Soft-Close options
- **Must attach to a partition wall (not to cabinet side)**

Mounting: Mounts directly to KV 8091 Series slide

Load Rating: 75 lb. class

Finish: Black



Configurations

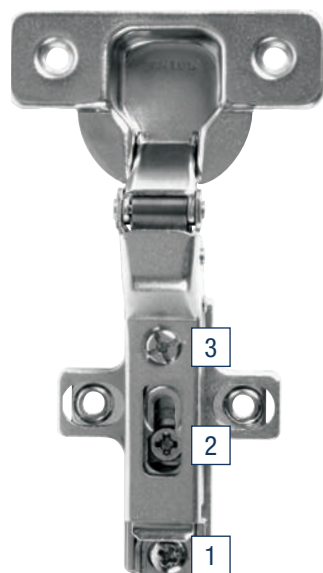
	Brackets	Overlay Hinges	Hinge Bases	Hinge Cover Base	Protective Felt Pads	Packed
Poly (P)	Qty: 2	Qty: 4	Qty: 4	Qty: 4	Qty: 4	1 kit/ carton
8091 Full Overlay Pocket Door Kit Black (BLK) Finish						
Poly (P)		Type		Hinge Manufacturer		
8091SFULL34M		Self		Grass		
8091SFULL34S		Self		Salice		
8091SFULL34S SC		Soft		Salice		
8091 Full Overlay Pocket Door Kit Black (BLK) Finish						
Door Thickness		Amount of Overlay		Pocket Width		
3/4"		3/4"		1-3/4"		
13/16"		11/16"		1-13/16"		
7/8"		5/8"		1-7/8"		
15/16"		9/16"		1-15/16"		
1"		1/2"		2"		
1-1/16"		7/16"		2-1/16"		
1-1/8"		3/8"		2-1/8"		
1-3/16"		5/16"		2-3/16"		
1-1/4"		1/4"		2-1/4"		

Full Overlay Kit Installation Requirements

- Overlay kits require the use of a KV 8091 series slide
- Overlay kits require the use of a pinion shaft
- Overlay kits require the use of a partition wall within the cabinet
- 40mm hinge bore is required
- Partition wall holes to adjust hinges

Salice Pocket Door Hinge Kits

Self-Close



1. Depth Adjustment Cam

The depth adjustment range is 3.1mm (-0.5mm to +2.8mm) for all hinge bases.

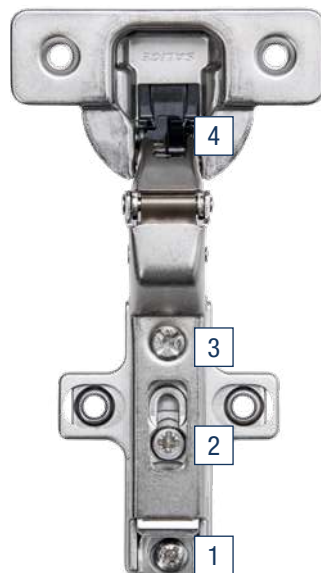
2. Vertical (Height) Adjustment Cam

The vertical (height) adjustment range is 4mm (-2mm to +2mm).

3. Horizontal (Lateral) Adjustment Cam

The horizontal (lateral) adjustment range is 6mm (-1.5mm to +4.5mm for 35mm cup hinges; -0.5mm to +5.5mm for 40mm cup hinges), while maintaining a constant gap behind the door.

Soft-Close



1. Depth Adjustment Cam

The depth adjustment range is 3.1mm (-0.5mm to +2.8mm) for all hinge bases.

2. Vertical (Height) Adjustment Cam

The vertical (height) adjustment range is 4mm (-2mm to +2mm).

3. Horizontal (Lateral) Adjustment Cam

The horizontal (lateral) adjustment range is 6mm (-1.5mm to +4.5mm for 35mm cup hinges; -0.5mm to +5.5mm for 40mm cup hinges), while maintaining a constant gap behind the door.

4. Soft-Close Adjustment

- + Soft-close engages at 30°
- Soft-close engages at 10°

Features

- Three-way cam hinges for easy adjustment
- Horizontal, vertical and depth changes can be made without loosening any screws
- Four types of hinges for a variety of application

Clearance: 8080 HKS standard hinge: 1-21/32"
 8080 HKF free swing hinge: 1-21/32"
 8080 HKL partial overlay hinge: 1-37/64"
 8080 HKX extra thick door hinge: 1-37/64"

Finish: Black (BLK), Nickel (NP), Titanium (TI)

Configurations

Pack Configurations		Hinge Base	Hinges	Screws	Cover Caps
Kit (K)	2 per bag; 10 bags per carton	Yes	Yes	Yes	Yes

Salice Hinges, Nickel Finish (hinge base included) For use with 8071, 8081 and 8091 Pivot Door Slides			
Kit (K)	Hinge Cup Size	Door Thickness	Application
8080 HKS SAL	35 mm	3/4"	Inset
8080 HKF SAL	35 mm	3/4"	Inset - Free Swing
8080 HKL SAL	40 mm	3/4"	Partial Overlay
8086 HKX SAL	40 mm	1-1/4"	Inset - Thick Door
Salice Hinges, Ebony Black (EB) Finish (hinge base included) For use with 8071, 8081 and 8091 Pivot Door Slides			
Kit (K)	Hinge Cup Size	Door Thickness	Application
8080 HKS SAL EB	35 mm	3/4"	Inset
8080 HKL SAL EB	40 mm	3/4"	Partial Overlay
8086 HKX SAL EB	40 mm	1-1/4"	Inset - Thick Door

Salice Soft-Close Hinges, Nickel Finish (hinge base included) For use with 8071, 8081 and 8091 Pivot Door Slides			
Kit (K)	Hinge Cup Size	Door Thickness	Application
8080 HKS SAL SC	35 mm	3/4"	Inset
8080 HKL SAL SC	40 mm	3/4"	Partial Overlay
8086 HKX SAL SC	40 mm	1-1/4"	Inset - Thick Door
Salice Soft-Close Hinges, Titanium (TI) Finish (hinge base included) For use with 8071, 8081 and 8091 Pivot Door Slides			
Kit (K)	Hinge Cup Size	Door Thickness	Application
8080HKSSAL TISC	35 mm	3/4"	Inset
8080HKLSAL TISC	40 mm	3/4"	Partial Overlay
8086HKXSAL TISC	40 mm	1-1/4"	Inset - Thick Door



Shelving

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Adjustable Wall Shelving Quick Reference Guide

Knappe and Vogt pioneered the development of the modern standards and bracket system of adjustable wall shelving, and we're still the leader in selection, quality and innovation. With one of the industry's widest selection of systems and component accessories, chances are we make a shelving system just right for you. To aid your selection process, we've created a comparison chart that lists the vital characteristics of our standards and bracket systems, as well as available finishes and accessories. If you still have questions or need more details, please contact KV Customer Service.

		Features					Finish Options										Pack Options					
Part	Description	1" Center Adjustment	1-1/4" Center Adjustment	2" Center Adjustment	Single Track	Double Track	Lock Lever	Anochrome (ANO)	Black (BLK)	Brass-look (BR)	Brown (BRN)	Clear (CL)	Stainless Steel (SS)	Galvanized Steel (GALV)	Titanium (TI)	White (WH)	Zinc (ZC)	Economy Zinc (E)	Standard Pack	Builders Pack (BP)	Display Pack (DP)	Hefty Pack (HP)
71/170 Regular-Duty Narrow Adjustable Standard and Bracket System																						
71	Narrow Faced Standard	•			•			•											•			
170	Bracket	•			•			•											•			
80/180 Regular-Duty Adjustable Standard and Bracket System																						
80	Standard	•			•			•	•	•	•					•	•		•	•		
180	Bracket	•			•			•	•	•	•					•	•		•	•		•
181	Lipless Bracket	•			•			•											•			
160LL	Lock Lever Bracket	•			•		•	•											•			
179	Adjustable Angle Bracket	•			•			•											•			
80-88DP	Screws/Anchors							•	•	•						•	•					
82/182 Heavy-Duty Adjustable Standard and Bracket System																						
82	Standard		•			•			•							•	•		•	•		
182	Bracket		•			•			•							•	•		•	•		
182BE	Bookend		•			•											•		•			
82DP Screw	Screws/Anchors																•				•	
182DP LCTR/JNR	Shelf Locater/Joiner											•									•	
182DP LOCK	Bracket Lock Tab		•			•			•												•	
83/183 Oversized Heavy-Duty Adjustable Standard and Bracket System																						
83	Oversized Standard	•			•			•											•			
183	Flange Bracket	•			•			•											•			
161LL	Lock Lever Bracket	•			•		•	•											•			
85/185 Extra-Duty Adjustable Standard and Bracket System																						
85	Standard	•				•		•									•		•			
185	Bracket	•				•		•									•		•			
106 ANO	Shelf Rest							•											•			
107 ANO	Hang Rod Clamp							•											•			
87/187 Super-Duty Adjustable Standard and Bracket System																						
87	Standard			•	•			•					•				•		•			
186LL	Lock Lever Bracket			•	•		•	•					•				•		•			
187LL	Lock Lever Bracket			•	•		•	•					•				•		•			
1987	Steel Shelves												•	•					•			

255™/256™ Series Mortise-Mount Pilaster Shelving System

- Holds up to 500 lbs. per shelf*
- 1/2" vertical slot adjustment
- Wide selection of finishes and sizes
- Limited lifetime warranty

255 Series Steel Standard

Dimensions: 5/8" width x 3/16" deep x selected length

Material: 23 gauge high strength steel

Finish: Almond (ALM), Brass-look (BR), Brown (BRN), Ebony Black (EB), White (WH), Zinc (ZC)

Origin: Made in the USA

Features: Numbered slots for fast, accurate clip insertion; countersunk nail and screw holes; full finish coverage to deter corrosion and provide a uniform look; precision cut lengths; BHMA Grade 1 Compliant*

Pack Configurations



Standard	12"—60", packed 100 standards per carton; 72"—96", packed 50 standards per carton					
Retail (PK)	20 standards per carton with UPC Labels					
255 Steel Standards Standard Pack						
Size	Almond (ALM)	Brass-look (BR)	Brown (BRN)	Ebony Black (EB)	White (WH)	Zinc (ZC)
12"	—	—	—	—	255 WH 12	255 ZC 12
18"	255 ALM 18	255 BR 18	255 BRN 18	255 EB 18	255 WH 18	255 ZC 18
24"	255 ALM 24	255 BR 24	255 BRN 24	255 EB 24	255 WH 24	255 ZC 24
30"	255 ALM 30	—	255 BRN 30	255 EB 30	255 WH 30	255 ZC 30
36"	255 ALM 36	255 BR 36	255 BRN 36	255 EB 36	255 WH 36	255 ZC 36
42"	—	—	—	—	—	—
48"	255 ALM 48	255 BR 48	255 BRN 48	255 EB 48	255 WH 48	255 ZC 48
54"	—	—	—	255 EB 54	—	—
60"	255 ALM 60	255 BR 60	255 BRN 60	255 EB 60	255 WH 60	255 ZC 60
72"	255 ALM 72	255 BR 72	255 BRN 72	255 EB 72	255 WH 72	255 ZC 72
84"	255 ALM 84	255 BR 84	255 BRN 84	—	255 WH 84	255 ZC 84
96"	255 ALM 96	255 BR 96	255 BRN 96	255 EB 96	255 WH 96	255 ZC 96
255 Steel Standards Retail Pack with UPC Labels (PK)						
24"	—	—	—	—	—	PK255 ZC 24
36"	—	PK255 BR 36	—	—	PK255 WH 36	PK255 ZC 36
48"	—	PK255 BR 48	—	—	PK255 WH 48	PK255 ZC 48
60"	—	PK255 BR 60	—	—	PK255 WH 60	PK255 ZC 60
72"	—	PK255 BR 72	—	—	PK255 WH 72	PK255 ZC 72



255 Series Aluminum Standard

Dimensions: 5/8" width x 3/16" deep x selected length

Material: 17 gauge aluminum

Finish: Natural (AL), Brass-look (BR), Walnut (WAL)

Origin: Made in the USA

Features: Numbered slots for fast, accurate clip insertion; countersunk nail and screw holes; made of rust resistant aluminum; full finish coverage to deter corrosion and provide a uniform look; precision cut lengths; BHMA Grade 3 Compliant*

Pack Configuration



Standard	12"–60", packed 100 standards per carton; 72"–96", packed 50 standards per carton		
255 Aluminum Standards Standard Pack			
Size	Natural (AL)	Brass-look (BR)	Walnut (WAL)
12"	255AL 12	—	—
18"	255AL 18	255AL BR 18	255AL WAL 18
24"	255AL 24	255AL BR 24	255AL WAL 24
30"	255AL 30	255AL BR 30	255AL WAL 30
36"	255AL 36	255AL BR 36	255AL WAL 36
48"	255AL 48	255AL BR 48	255AL WAL 48
60"	255AL 60	255AL BR 60	255AL WAL 60
72"	255AL 72	255AL BR 72	255AL WAL 72
84"	255AL 84	255AL BR 84	255AL WAL 84
96"	255AL 96	255AL BR 96	255AL WAL 96

■ Non-stock item – minimum order quantities and additional lead time may apply.

*Standards and brackets meet or exceed ANSI performance standards as established by BHMA testing requirements.



Plated finish products only

255™/256™ Series Mortise-Mount Pilaster Shelving System

256 Series Pilaster Shelf Support

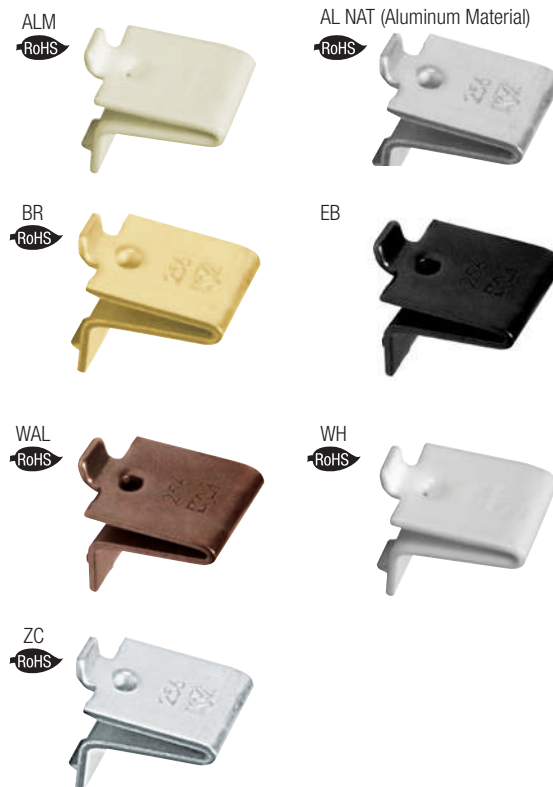
Material: High-strength steel, Aluminum (AL)
Finish: Almond (ALM), Brass-look (BR), Ebony Black (EB), Walnut (WAL), White (WH), Zinc (ZC), Natural Aluminum (AL NAT)
Origin: Made in the USA
Features: Patented design; full coverage finish to resist corrosion; strength increasing dimple

Pack Configurations



Standard Pack	100 pieces per carton		
Bulk (B)	1000 pieces per carton		
Barrel (BBL)	9000 pieces per barrel		
Poly (P)	12 supports and 28 nails per bag; 10 bags per display carton		
256 Shelf Supports Almond (ALM) Finish			
Standard	Bulk (B)	Barrel (BBL)	Poly (P)
256S ALM	—	—	—
256 Shelf Supports Brass-look (BR) Finish			
256 BR	256B BR	256BBL BR	256P BR
256 Shelf Supports Ebony Black (EB) Finish			
256 EB	—	256BBL EB	—
256 Shelf Supports Walnut (WAL) Finish			
256 WAL	256B WAL	256BBL WAL	—
256 Shelf Supports White (WH) Finish			
256S WH	—	—	256S P WH
256 Shelf Supports Zinc (ZC) Finish			
256 ZC	256B ZC	256BBL ZC	256P ZC
256 Shelf Supports Natural Aluminum (AL NAT) Finish			
256 AL NAT	—	—	—

NOTE: Use 256 WAL with 255 BRN and 255AL WAL



Specialty Pilaster Shelf Supports

Part #: **256R ZC:** Support with Rubber Cushion
239 ZC: Shelf Support
24276 ZC: Shelf Support with Mounting Hole
243 ZC: 3" Shelf Bracket (non-handed)
757 ANO: Flange for 1-1/16" OD closet rod

Material: High-strength steel, cold rolled steel
Finish: Anochrome (ANO), Zinc (ZC)
Origin: Made in the USA
Packed: 100 per carton



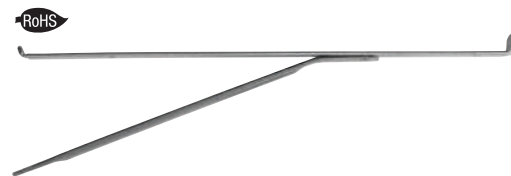
229 Series Support Bracket

Finish: Anochrome (ANO)
Packed: 25 per carton
Material: Cold rolled steel
Finish: Anochrome (ANO)
Origin: Made in the USA



229 Bracket	
Size	Anochrome (ANO)
6"	229 ANO 6
10"	229 ANO 10

■ Non-stock item – minimum order quantities and additional lead time may apply.



* WoodWork Institute Acknowledged Products

233™/237™ Series Surface-Mount Pilaster Shelving System

- Holds up to 500 lbs. per shelf*
 - 1/2" vertical slot adjustability
- BHMA Grade 1 Compliant*
 - Limited lifetime warranty

233 Surface Mount Steel Pilaster Standard

Dimensions: 13/16" width x 3/16" deep x selected height

Material: 23 gauge high-strength steel

Finish: Zinc (ZC)

Origin: Made in the USA

Features: Numbered slots for quick, accurate clip insertion; countersunk nail, screw and staple holes; full finish coverage to deter corrosion and provide a uniform look; precision cut lengths



Pack Configuration

Standard	100 per carton
233 Series Steel Standards Standard Pack	
Size	Zinc (ZC)
18"	233 ZC 18
24"	233 ZC 24
36"	233 ZC 36
48"	233 ZC 48
60"	233 ZC 60
72"	233 ZC 72
96"	233 ZC 96

Pilaster Shelf Supports

Part #: **237 ZC:** Shelf support for 233 pilaster
238 ANO: Shelf support with locator tab

Finish: Anochrome (ANO), Zinc (ZC)

Featured: Made in the USA

Packed: 100 pieces per carton

Features: Full finish coverage to deter corrosion and provide optimum aesthetics



237



238



*Standards and brackets meet or exceed ANSI performance standards as established by BHMA testing requirements.

71™/170™ Regular-Duty Standard and Bracket System

- Narrow slot design
- 1" vertical slot adjustability

- BHMA Grade 2 Compliant*
- Limited lifetime warranty

71 Series Narrow Standard

Dimensions: 5/16" wide x 13/32" deep x selected height

Material: 13 gauge steel

Finish: Anochrome (ANO)

Origin: Made in the USA

Features: Narrow design to fit between prefabricated wall panels for flush wall mount; countersunk screw holes; center aligned slots and screw holes; precision cut length

Pack Configuration



Standard	10 per carton
71 Series Standards	
Size	Anochrome (ANO)
48"	71 ANO 48
96"	71 ANO 96

RoHS



170 ANO Series Bracket

Material: 14 gauge steel

Finish: Anochrome (ANO)

Origin: Made in the USA

Features: Holds up to 210 lbs. per pair; two locking teeth; shelf retaining lip; stamped wing stabilizer

Pack Configuration



Standard	10 per carton
170 ANO Series Brackets	
Size	Anochrome (ANO)
12"	170 ANO 12

RoHS



☐ Non-stock item – minimum order quantities and additional lead time may apply.

*Standards and brackets meet or exceed ANSI performance standards as established by BHMA testing requirements.

Customer Service: 1.800.253.1561 | customerservice@kv.com

80™/180™ Regular-Duty Standard and Bracket System

- Single slot design
 - 1" vertical slot adjustability
- BHMA Grade 2 Compliant*
 - Limited lifetime warranty

80 Series Standards

Dimensions: 5/8" wide x 13/32" deep x selected length
Material: 16 gauge cold rolled steel
Finish: Anochrome (ANO), Black (BLK), Brass-look (BR), Brown (BN), Titanium (TI), White (WH)

Origin: Made in the USA
Features: Countersunk screw holes; safety lead-in at top of standards; embossed "up" and arrow to show correct orientation; center aligned slots and screw holes; full finish coverage to deter corrosion and provide optimum aesthetics; precision cut lengths

Pack Configurations



Standard	10 standards per carton, with UPC labels				
Builders Pack (BP)	25 standards per carton, no UPC labels				
80 Series Standards Standard Pack with UPC Labels					
Size	Anochrome (ANO)	Black (BLK)	Brass-look (BR)	Titanium (TI)	White (WH)
12"	80 ANO 12	—	80 BR 12	80 TI 12	80 WH 12
18"	80 ANO 18	—	—	—	—
24"	80 ANO 24	80 BLK 24	80 BR 24	80 TI 24	80 WH 24
36"	80 ANO 36	80 BLK 36	80 BR 36	80 TI 36	80 WH 36
48"	80 ANO 48	80 BLK 48	80 BR 48	80 TI 48	80 WH 48
60"	80 ANO 60	80 BLK 60	80 BR 60	80 TI 60	80 WH 60
72"	80 ANO 72	80 BLK 72	80 BR 72	80 TI 72	80 WH 72
84"	80 ANO 84	—	—	—	—
96"	80 ANO 96	80 BLK 96	—	—	80 WH 96

80 Series Standards Builder Pack (BP)	
Size	Anochrome (ANO)
24"	80BP ANO 24
36"	80BP ANO 36
48"	80BP ANO 48
60"	80BP ANO 60
72"	80BP ANO 72
84"	80BP ANO 84
96"	80BP ANO 96



☐ Non-stock item – minimum order quantities and additional lead time may apply.
*Standards and brackets meet or exceed ANSI performance standards as established by BHMA testing requirements.

80™/180™ Regular-Duty Standard and Bracket System

180 Series Brackets

Material: 14 and 16 gauge cold rolled steel, spring steel

Finish: Anochrome (ANO), Black (BLK), Brass-look (BR), Brown (BN), Titanium (TI), White (WH)

Origin: Made in the USA

Features: Holds up to 320 lbs. per pair*; two complete locking teeth; spring steel clip for stability and friction lock; shelf retaining lip; full finish coverage to deter corrosion and provide optimum aesthetics

Pack Configurations

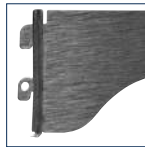


Standard	10 brackets per carton with UPC labels attached
Hefty Pack (HP)	40 brackets per display carton, with UPC labels
Builders Pack (BP)	100 brackets per carton, no UPC labels

180 Series Brackets Standard Pack with UPC Labels					
Size	Anochrome (ANO)	Black (BLK)	Brass-look (BR)	Titanium (TI)	White (WH)
4"	180 ANO 4	—	—	—	—
6"	180 ANO 6	180 BLK 6	—	—	180 WH 6
8"	180 ANO 8	180 BLK 8	180 BR 8	180 TI 8	180 WH 8
10"	180 ANO 10	180 BLK 10	180 BR 10	180 TI 10	180 WH 10
12"	180 ANO 12	180 BLK 12	180 BR 12	180 TI 12	180 WH 12
14"	180 ANO 14	180 BLK 14	180 BR 14	—	180 WH 14
16"	180 ANO 16	180 BLK 16	180 BR 16	180 TI 16	180 WH 16
18"	180 ANO 18	—	—	—	180 WH 18
20"	180 ANO 20	—	—	—	—

180 Series Brackets Hefty Pack (HP) with UPC Labels					
6"	—	—	—	—	180HP WH 6
8"	—	—	—	—	180HP WH 8
10"	—	—	—	—	180HP WH 10
12"	—	180HP BLK 12	—	180HP TI 12	180HP WH 12
16"	—	—	—	—	180HP WH 16

180 Series Brackets Builders Pack (BP)	
6"	180BP ANO 6
8"	180BP ANO 8
10"	180BP ANO 10
12"	180BP ANO 12
14"	180BP ANO 14
16"	180BP ANO 16
18"	180BP ANO 18



Locking Teeth and Retention Finger (Side View)



*Standards and brackets meet or exceed ANSI performance standards as established by BHMA testing requirements.

80™/180™ Series Regular-Duty Standard and Bracket System

160LL™ Series Lock Lever Bracket

Material: 14 gauge cold rolled steel, nylon
Finish: Anochrome (ANO)
Origin: Made in the USA
Features: For use with 1" adjustable standards; two locking teeth; lever lock for extra secure mounting and stability; shelf retaining lip; full finish coverage to deter corrosion and provide optimum aesthetics



Pack Configuration

Standard	10 per carton, no UPC labels
160 Series Brackets	
Size	Anochrome (ANO)
6"	160LL ANO 6
8"	160LL ANO 8
10"	160LL ANO 10
12"	160LL ANO 12
14"	160LL ANO 14



179™ Series Adjustable Angle Bracket

Material: 14 and 16 gauge cold rolled steel, spring steel
Finish: Anochrome (ANO)
Origin: Made in the USA
Features: For use with 1" adjustment standards; two complete locking teeth; shelf retaining lip; spring clip for stability and friction locking; adjust to 15°, 30°, 45° and level; full finish coverage to deter corrosion and provide optimum aesthetics



Pack Configuration

Standard	10 per carton, no UPC labels
179 Series Brackets	
Size	Anochrome (ANO)
10"	179 ANO 10
12"	179 ANO 12
14"	179 ANO 14



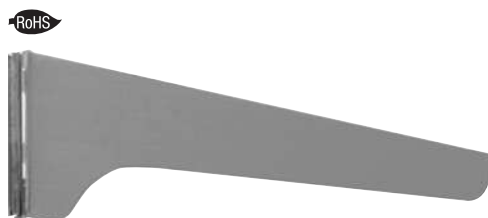
181™ Series Lipless Bracket

Material: 14 and 16 gauge cold rolled steel, spring steel
Finish: Anochrome (ANO)
Origin: Made in the USA
Features: For use with 1" adjustment standards; two complete locking teeth; spring clip provides stability and a friction lock; lipless version of the 180 series bracket to allow for easy concealing of the bracket (fascia), full finish coverage to deter corrosion and provide optimum aesthetics



Pack Configuration

Standard	10 per carton, no UPC labels
181 Series Brackets	
Size	Anochrome (ANO)
10"	181 ANO 10
12"	181 ANO 12
14"	181 ANO 14
16"	181 ANO 16



Accessories

136 ANO #80 standard bottom socket
 137 ANO #80 standard top socket
 154 ANO Shelf-fastener
Packed: 100 per carton



136 ANO



137 ANO



154 ANO



82™/182™ Series Heavy-Duty Standard and Bracket System

- Double slot design
- 1-1/4" vertical slot adjustability

- BHMA Grade 2 Compliant*
- Limited lifetime warranty

82 Series Standard

Dimensions: 1-1/16" wide x 11/16" deep x selected length

Material: 14 gauge cold rolled steel

Finish: Black (BLK), Titanium (TI), White (WH)

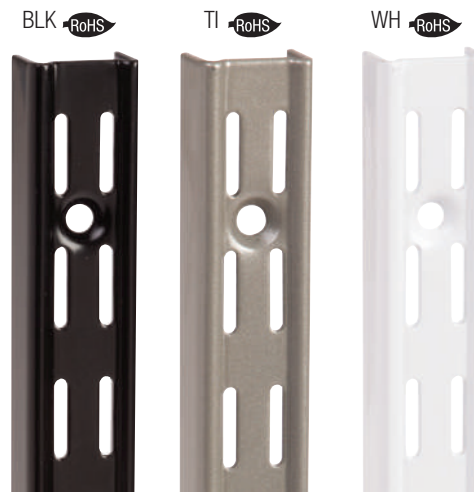
Origin: Made in the USA

Features: European design aesthetics; strength and stability enhancing ribs; countersunk screw holes; embossed "up" and arrow to show correct orientation; center aligned slots and screw holes; precision cut lengths; full finish coverage to deter corrosion and provide optimum aesthetics

Pack Configuration



Standard	10 standards per carton with UPC labels		
Builders Pack (BP)	10 standards per carton, no UPC labels		
82 Series Standards Standard Pack			
Size	Black (BLK)	Titanium (TI)	White (WH)
12"	82 BLK 12	82 TI 12	82 WH 12
16.5"	82 BLK 16.5	82 TI 16.5	82 WH 16.5
28"	82 BLK 28	82 TI 28	82 WH 28
39"	82 BLK 39	82 TI 39	82 WH 39
48"	82 BLK 48	82 TI 48	82 WH 48
63"	82 BLK 63	82 TI 63	82 WH 63
78"	82 BLK 78	82 TI 78	82 WH 78
94"	82 BLK 94	82 TI 94	82 WH 94
82 Series Standards Builders Pack (BP)			
16.5"	82BP BLK 16.5	—	82BP WH 16.5
28"	82BP BLK 28	—	82BP WH 28
39"	82BP BLK 39	—	82BP WH 39
48"	82BP BLK 48	—	82BP WH 48
63"	82BP BLK 63	—	82BP WH 63
78"	82BP BLK 78	—	82BP WH 78
94"	82BP BLK 94	—	82BP WH 94



Accessories

82DP SCREW ZC

Finish: Zinc (ZC)

Packed: 20 bags per carton (6 screws + 6 anchors per bag)

182DP LCTR/JNR Shelf Locator Joiner

Finish: Clear plastic (CL)

Packed: 20 bags per carton (4 joiners + 8 screws per bag)

182DP LOCK Bracket Lock

Finish: Black rubber (BLK)

Packed: 20 bags per carton (6 locks per bag)

82DP SCREW ZC



182DP LOCK



182DP LCTR/JNR



☐ Non-stock item – minimum order quantities and additional lead time may apply.

*Standards and brackets meet or exceed ANSI performance standards as established by BHMA testing requirements.

Customer Service: 1.800.253.1561 | customerservice@kv.com

83™/183™ Series Heavy-Duty Standard and Bracket System

- Single slot design
- 1" vertical slot adjustability
- BHMA Grade 2 Compliant*
- Limited lifetime warranty

83 Series Oversized Standard

Dimensions: 3/4" wide x 1/2" deep x selected length
Material: 16 gauge cold rolled steel
Finish: Anochrome (ANO)



Pack Configuration

Standard	10 standards per carton, no UPC labels
83 Series Standards Standard Pack	
Size	Anochrome (ANO)
12"	83 ANO 12
24"	83 ANO 24
36"	83 ANO 36
48"	83 ANO 48
60"	83 ANO 60
72"	83 ANO 72
84"	83 ANO 84
96"	83 ANO 96



Accessories



119 RUB Rubber Shelf Cushion

Finish: Gray
Packed: 100 per carton
Application: Large-hole retainer designed for use with 183 Series Brackets; suitable for glass, metal, and wood shelving applications



134 ANO #83 Standard Bottom Socket

Finish: Anochrome (ANO)
Origin: Made in the USA
Packed: 100 per carton



159LL ANO Lock Lever Heavy-Duty Support Bracket

Finish: Anochrome (ANO)
Origin: Made in the USA
Packed: 100 per carton
Application: Provides extra support for shelves with heavy loads; lever lock for extra secure mounting and stability



☐ Non-stock item – minimum order quantities and additional lead time may apply.
*Standards and brackets meet or exceed ANSI performance standards as established by BHMA testing requirements.

83™/183™ Series Heavy-Duty Standard and Bracket System

183 Series Brackets

Part #: 183R: Right Flange Bracket
183L: Left Flange Bracket
183C: Center Flange Bracket

Material: 16 gauge cold rolled steel

Finish: Anochrome (ANO)

Origin: Made in the USA

Features: Holds up to 460 lbs. per pair of brackets*; bracket flanges allow for simple attachment to wooden shelves; brackets may also be used with 85 Series Standards for added support on long shelves; full finish coverage to deter corrosion and provide optimum aesthetic



Pack Configuration

Standard	10 brackets per carton, no UPC labels		
183 Series Brackets Standard Pack - Anochrome (ANO) Finish			
Size	Right	Left	Center
8"	183R ANO 8	183L ANO 8	—
10"	183R ANO 10	183L ANO 10	183C ANO 10
12"	183R ANO 12	183L ANO 12	183C ANO 12
14"	183R ANO 14	183L ANO 14	183C ANO 14
16"	183R ANO 16	183L ANO 16	183C ANO 16
18"	183R ANO 18	183L ANO 18	183C ANO 18
20"	183R ANO 20	183L ANO 20	183C ANO 20

183R



183L



183C



161LL Lock Lever Bracket

Material: 14 gauge cold rolled steel, nylon

Finish: Anochrome (ANO)

Origin: Made in the USA

Features: Three locking teeth; lever lock for extra secure mounting and stability; for use with 1" adjustable shelving; shelf retaining lip; full finish coverage to deter corrosion and provide optimum aesthetic



Pack Configuration

Standard	10 brackets per carton, no UPC labels
161LL Brackets	
Size	Anochrome
16"	161LL ANO 16
18"	161LL ANO 18
20"	161LL ANO 20
24"	161LL ANO 24



*Standards and brackets meet or exceed ANSI performance standards as established by BHMA testing requirements.

85™/185™ Series Extra-Duty Standard and Bracket System

- Double slot design
 - 1" vertical slot adjustability
- BHMA Grade 2 Compliant*
 - Limited lifetime warranty

85 Series Standard

Dimensions: 1-1/4" wide x 1/2" deep x selected length
Material: 16 gauge cold rolled steel
Finish: Anochrome (ANO), White (WH)
Origin: Made in the USA
Features: Safety lead-in at top of standard; embossed logo to show correct orientation; countersunk screw holes; center aligned slots and screw holes; precision cut lengths

Pack Configuration

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Standard	10 standards per carton, no UPC labels	
85 Series Standards Standard Pack		
Size	Anochrome (ANO)	White (WH)
12"	85 ANO 12	85 WH 12
24"	85 ANO 24	85 WH 24
36"	85 ANO 36	85 WH 36
48"	85 ANO 48	85 WH 48
60"	85 ANO 60	85 WH 60
72"	85 ANO 72	85 WH 72
84"	85 ANO 84	85 WH 84
96"	85 ANO 96	85 WH 96



Accessories

106 ANO Shelf Rest

Finish: Anochrome (ANO)
Packed: 100 per carton
Origin: Made in the USA
Application: Used to join two shelves at one bracket and/or fasten shelves to brackets



159LL ANO Lock Lever Heavy-Duty Support Bracket

Finish: Anochrome (ANO)
Packed: 100 per carton
Origin: Made in the USA
Application: Provides extra support for shelves with heavy loads; lock lever for extra secure mounting and stability



☐ Non-stock item – minimum order quantities and additional lead time may apply.

*Standards and brackets meet or exceed ANSI performance standards as established by BHMA testing requirements.

85™/185™ Series Extra-Duty Standard and Bracket System

185 Series Brackets

- Material:** 14 and 16 gauge cold rolled steel
- Finish:** Anochrome (ANO), White (WH)
- Origin:** Made in the USA
- Features:** Holds up to 680 lbs. per pair of brackets*; shelf retaining lip on brackets; four locking teeth and two lugs for safety and stability; shelf fastening screw holes; full finish coverage to deter corrosion and provide optimum aesthetics

Pack Configuration



Standard	10 brackets per carton, no UPC labels	
185 Series Brackets Standard Pack		
Size	Anochrome (ANO)	White (WH)
8"	185 ANO 8	185 WH 8
10"	185 ANO 10	185 WH 10
12"	185 ANO 12	185 WH 12
14"	185 ANO 14	185 WH 14
16"	185 ANO 16	185 WH 16
18"	185 ANO 18	185 WH 18
20"	185 ANO 20	185 WH 20
22"	185 ANO 22	185 WH 22
24"	185 ANO 24	185 WH 24

NOTE: 180 Anochrome (ANO) brackets and all other KV 1" adjustable brackets can be used with 85 Series double-slotted standards.



*Standards and brackets meet or exceed ANSI performance standards as established by BHMA testing requirements.

87™/186™/187™ Series Super-Duty Standard and Bracket System

- Single slot design
 - 2" vertical slot adjustability
- Limited lifetime warranty
 - BHMA Grade 2 Compliant*

87 Series Standard

Dimensions: 7/8" wide x 11/16" deep x selected height
Material: 12 gauge cold rolled steel
Finish: Anochrome (ANO), White (WH)

Origin: Made in the USA
Features: Countersunk screw holes; embossed logo to show correct orientation; center aligned slots and screw holes; precision cut lengths; full finish coverage to deter corrosion and provide optimum aesthetics

Pack Configuration



Standard	5 per carton, no UPC labels	
87 Series Standards Standard Pack		
Size	Anochrome (ANO)	White (WH)
12"	87 ANO 12	87 WH 12
24"	87 ANO 24	87 WH 24
36"	87 ANO 36	87 WH 36
48"	87 ANO 48	87 WH 48
60"	87 ANO 60	87 WH 60
72"	87 ANO 72	87 WH 72
84"	87 ANO 84	87 WH 84
96"	87 ANO 96	87 WH 96



1987 Series Galvanized Steel Shelving

Material: Galvanized steel
Finish: Galvanized Steel (GALV)
Origin: Made in the USA
Features: Predrilled mounting holes to fasten to brackets, back lip to protect walls



Pack Configuration



Standard	5 per carton; except 20" x 32": 3 per carton
1987 Series Shelving Standard Pack	
Size	Galvanized (GALV)
12" x 32"	1987 GALV 12X32
14" x 32"	1987 GALV 14X32
16" x 32"	1987 GALV 16X32
20" x 32"	1987 GALV 20X32

☐ Non-stock item – minimum order quantities and additional lead time may apply.
*Standards and brackets meet or exceed ANSI performance standards as established by BHMA testing requirements.

87™/186™/187™ Series Super-Duty Standard and Bracket System

186LL and 187LL Series Lock Lever Brackets

- Material:** 12 gauge cold rolled steel
- Finish:** Anochrome (ANO), White (WH)
- Origin:** Made in the USA
- Features:** Holds up to 1,060 lbs. per pair of brackets*; utilizes an easy-to-install unique cam lock that secures brackets to the standard; two or three complete locking teeth; predrilled holes for mounting 1987 Series shelves or attaching shelf rests; full finish coverage to deter corrosion and provide optimum aesthetics



MADE IN USA



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Pack Configuration

Standard	10 per carton, no UPC labels	
186 Series Brackets Standard Pack		
Size	Anochrome (ANO)	White (WH)
8"	186LL ANO 8	186LL WH 8
10"	186LL ANO 10	186LL WH 10
187 Series Brackets Standard Pack		
12"	187LL ANO 12	187LL WH 12
14"	187LL ANO 14	187LL WH 14
16"	187LL ANO 16	187LL WH 16
18"	187LL ANO 18	187LL WH 18
20"	187LL ANO 20	187LL WH 20
22"	187LL ANO 22	187LL WH 22
24"	187LL ANO 24	187LL WH 24

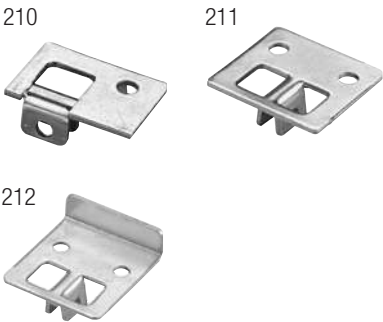


NOTE: Steel Brackets are not compatible with 87 Series Stainless Steel Standards and must be used with Steel Standards only.

Accessories

- 210 ANO Anochrome (ANO) End Rest with bracket screw
- 210 WH White (WH) End Rest with bracket screw
- 211 ANO Anochrome (ANO) Center Rest with bracket screw
- 211 WH White (WH) Center Rest with bracket screw
- 212 ANO Anochrome (ANO) Front Rest with bracket screw
- 212 WH White (WH) Front Rest with bracket screw

- Finish:** Anochrome (ANO), White (WH), Zinc (ZC)
- Packed:** 100 per carton
- Application:** Designed for use with 186 and 187 Series Brackets to securely anchor shelves to brackets



*Standards and brackets meet or exceed ANSI performance standards as established by BHMA testing requirements.

87™/186™/187™ Super-Duty Stainless Steel Standard and Bracket System

- Single slot design
 - 2" vertical slot adjustability
- Limited lifetime warranty
 - BHMA Grade 2 Compliant*

87 SS Series Standard

Dimensions: 7/8" wide x 11/16" deep
Material: 14 gauge, 304 grade stainless steel
Finish: Stainless Steel (SS)

Pack Configuration



Standard	5 per carton, no UPC labels
87 Series Standards Standard Pack	
Size	Stainless Steel (SS)
12"	87 SS 12
24"	87 SS 24
36"	87 SS 36
48"	87 SS 48
60"	87 SS 60
72"	87 SS 72

Origin: Made in the USA
Features: Countersunk screw holes; center aligned slots and screw holes; precision cut lengths



1987 Series Stainless Steel Shelving

Material: 14 gauge, 304 grade stainless steel
Finish: Stainless Steel (SS) with brushed finish
Origin: Made in the USA
Features: Predrilled mounting holes to fasten to brackets; back lip to protect walls; shelves are shipped with protective vinyl wrap

Pack Configuration



Standard	5 per carton; except 20" x 32": 3 per carton
1987 Series Stainless Steel Shelving Standard Pack	
Size	Stainless Steel (SS)
12" x 32"	1987 SS 12X32
14" x 32"	1987 SS 14X32
16" x 32"	1987 SS 16X32
20" x 32"	1987 SS 20X32



☐ Non-stock item – minimum order quantities and additional lead time may apply.

*Standards and brackets meet or exceed ANSI performance standards as established by BHMA testing requirements.

87™/186™/187™ Super-Duty Stainless Steel Standard and Bracket System

186LL and 187LL Series Stainless Steel Lock Lever Brackets

- Material:** 14 gauge 304 grade stainless steel
- Finish:** Brushed Stainless Steel (SS)
- Origin:** Made in the USA
- Features:** Holds up to 560 lbs. per pair of brackets*; lever-lock mechanism provides easy installation, enhanced stability, and added safety; predrilled holes allow for mounting 1987 Series shelves or attaching shelf rests; available with two or three complete locking teeth

Pack Configuration



Standard	10 per carton, no UPC labels
186 Series Brackets Standard Pack	
Size	Stainless Steel (SS)
10"	186LL SS 10
187 Series Brackets Standard Pack	
12"	187LL SS 12
14"	187LL SS 14
16"	187LL SS 16
18"	187LL SS 18

NOTE: Stainless Steel Brackets are not compatible with 87 Series Steel Standards and must be used with Stainless Steel Standards only.

186LL SS



187LL SS



☐ Non-stock item – minimum order quantities and additional lead time may apply.

*Standards and brackets meet or exceed ANSI performance standards as established by BHMA testing requirements.



Specialty Hardware

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Magnetic Catches

Magnetic Catches



918 ALUM Heavy-Duty Aluminum Magnetic Catch

Size: 2-1/16" width x 1" depth x 3/4" tall
Finish: Aluminum (ALUM)
Origin: Made in the USA
Packed: 10 per carton, packed in a clear envelope with screws
Pull Strength: 7 lbs.



Mirror & Glass Clips

Mirror Clips/Glass Clips



288 ANO Mirror Clip

Size: 1/2" wide, for 1/4" thick glass/mirror
Material: Brass
Finish: Anochrome (ANO)
Origin: Made in the USA
Packed: 100 per carton
Features: Made of brass for corrosion resistance in high humidity

Non-stock item – minimum order quantities and additional lead time may apply.



318 ANO Steel Mirror Clip

Size: 9/16" wide x 1-1/4" long; for 5/16" thick glass/mirror
Material: Brass
Finish: Anochrome (ANO)
Origin: Made in the USA
Packed: 100 per carton
Features: Countersunk elongated slot for #5 flat head screws; elongated mounting hole for adjustable installation; made of brass for corrosion resistance in high humidity

Non-stock item – minimum order quantities and additional lead time may apply.



Drawer Locks

Drawer Locks



986 Series Drawer Lock

Size: Mounting flange: 1-1/2" x 2" wide with screw holes on 1-7/16" centers; barrel OD: 7/8"; bolt travel: 3/8"
Finish: Polished Nickel (NP)
Origin: Made in the USA
Packed: 12 per carton
Features: Available keyed alike; mounts to material up to 7/8" thick



986 Series Drawer Locks		
Product	Finish	Keyed
986KA 70 NP	Nickel (NP)	Alike

Sliding Door Pulls

Finger Pulls



801X NP and 803X NP Flush Finger Pull

Size: 801X: 31/32" outside diameter, Bore 25/36" hole diameter, 1/4" depth
 803X: 31/32" outside diameter, Bore 25/36" hole diameter, 3/8" depth
Finish: Nickel Plate (NP)
Origin: Made in the USA
Packed: 100 per carton, non-stock

Non-stock item – minimum order quantities and additional lead time may apply.



Index Followers & Tracks

Index Followers



475F ZC Card Sized Index Follower

Size: Mounted plate is 2-11/16" from track and 4-3/4" wide
Finish: Anochrome (ANO)
Origin: Made in the USA
Packed: 10 per carton



476F ZC Letter Sized Index Follower

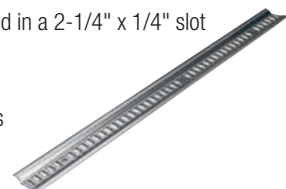
Size: Mounted plate is 7-5/8" from track and 10-3/4" wide
Finish: Anochrome (ANO)
Origin: Made in the USA
Packed: 10 per carton



Index Follower Track

476T ZC 26 Index Follower Track

Size: 26" long; may be recessed in a 2-1/4" x 1/4" slot
Finish: Anochrome (ANO)
Origin: Made in the USA
Packed: 10 per carton with screws



Fasteners and Hinges

Surface Fasteners



324 STL Table Top Fastener, 3/4" width

Finish: Steel (STL)
Origin: Made in the USA
Packed: 100 per carton



341 ZC Corner Brace

Size: 1" x 1" installed
Finish: Zinc (ZC)
Origin: Made in the USA
Packed: 100 per carton



342 ZC Corner Brace

Size: 2" x 2" installed
Finish: Zinc (ZC)
Origin: Made in the USA
Packed: 100 per carton



Non-stock item – minimum order quantities and additional lead time may apply.

1547 STL Desk Top Fastener

Finish: Steel (STL)
Origin: Made in the USA
Packed: 100 per carton



1548 ZC Desk Top Fastener

Finish: Zinc (ZC)
Origin: Made in the USA
Packed: 500 per carton



Non-stock item – minimum order quantities and additional lead time may apply.

Hinges



472 ANO Steel Support Hinge

Size: 6" or 10"
Finish: Anochrome (ANO)
Origin: Made in the USA



Pack Configurations				
Standard	12 pair (left and right handed) per carton with screws			
Optional	Left or right hand packaged separately in cartons of 24			
472 Support Hinges Standard Pack		472 Support Hinges Optional Pack		
Standard	Finish	Product	Finish	Handed
472 ANO 6	Anochrome (ANO)	472L ANO 10	Anochrome (ANO)	Left
472 ANO 10	Anochrome (ANO)	472R ANO 10	Anochrome (ANO)	Right

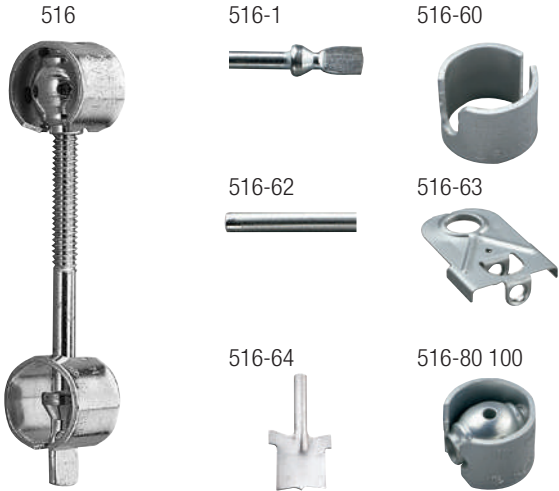
Tite-Joint® Fastener



516 ZC designed for 3/4" wood

Size: Center-to-center 2" to 3-1/2"
Finish: Zinc (ZC)
Origin: Made in the USA
Features: Applies an even, controlled pressure between joint members to eliminate twisting and buckling

Pack Configurations		516 Joint Fastener Accessory Parts		
Standard	25 per carton	Product	Description	Packed
Builders (BP)	100 per carton	516-1	Draw Bolt	1 per carton
516 Fasteners Zinc (ZC)		516-60	Locking Sleeve	1 per carton
Standard	Builders (BP)	516-62	Tightening Rod	1 per carton
516/25 ZC	516/100 ZC	516-63	Drill Guide	1 per carton
Non-stock item – minimum order quantities and additional lead time may apply.		516-64	Drill	1 per carton
		516-80 100	Tightening Assembly	1 per carton



Steel Tracks and Guides for Sliding Doors



455 STL 144 Lower Track

Size: 19/64" height x 21/32" width x 144" length
 Finish: Wrought Steel (STL)
 Origin: Made in the USA
 Packed: 1 each

455 STL



455 SS 144 Lower Track

Size: 19/64" height x 21/32" width x 144" length
 Finish: Stainless Steel (SS)
 Origin: Made in the USA
 Packed: 1 each

455 SS



469 ZC 144 Double Lower Track

Size: 1/4" height x 1" width x 144" length
 Finish: Zinc (ZC)
 Origin: Made in the USA
 Packed: 1 each

469 ZC



953 ZC 144 Top Door Divider

Size: 5/8" height x 5/8" width x 144" length
 Finish: Pre-coated Steel (ZC)
 Origin: Made in the USA
 Packed: 1 each
 Features: Upper T-guide separates the sliding doors at the top

953 ZC



Sheaves



430 STL Steel Sheave

Size: Frame: 2-3/4" x 1/2";
 Wheel: 1-3/8" diameter
 Origin: Made in the USA
 Finish: Steel (STL)
 Packed: 50 per carton
 Features: Ball-bearing round groove sheave; for use with KV tracks 455, 467, and 469



Roll-Ezy Ball-Bearing Sliding Glass Door System

Complete Assembly

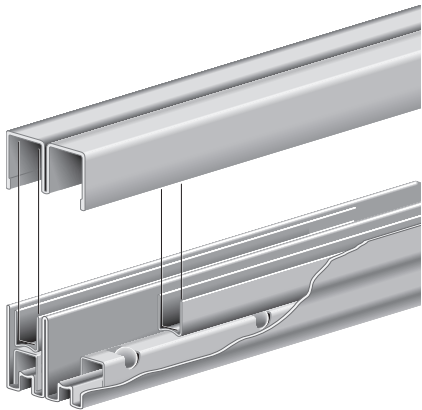


P992 Large Glass Door Track Assembly Kit

- Includes:** (1) 993 Upper Channel, (2) 995 Shoe, (2) 997 Carrier, (1) 999 Lower Track
- Origin:** Made in the USA
- Packed:** 1 set per carton
- Features:** For large glass door applications, for 1/4" thick glass installations
- Applications:** Commonly used for trophy cases and retail displays

Complete Assemblies	
Product	Installation Opening Width
P992 ZC 36	36"
P992 ZC 48	48"
P992 ZC 60	60"
P992 ZC 72	72"

Installation Notes & Recommendations:
Knap & Vogt does not recommend the use of butt joints or openings exceeding 12 feet in length. The recommended height-to-width ratio for glass doors should not exceed 2:1 to ensure proper performance and stability.



Components Sold Separately

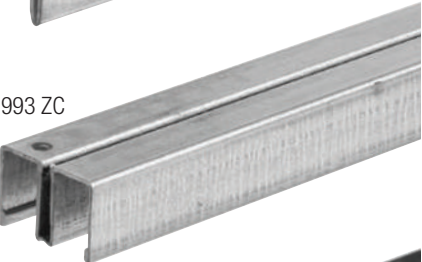
953 ZC 144 Top Door Divider

- Size:** 5/8" width x 5/8" height x 144" length
- Finish:** Zinc (ZC)
- Origin:** Made in the USA
- Packed:** 1 each
- Features:** Pre-coated steel upper T-guide for wood framed installations; for use with 1/4" glass doors only; for large glass door applications



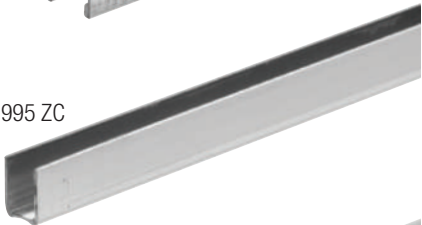
993 ZC 144 Upper Channel

- Size:** 15/16" wide x 5/8" height x 144" length
- Finish:** Zinc (ZC)
- Origin:** Made in the USA
- Packed:** 1 each
- Features:** Upper channel for top and ends of opening; wide divider maintains door position; for large glass door applications



995 ZC 144 Door Shoe

- Size:** 21/64" wide x 7/16" height x 144" length
- Finish:** Zinc (ZC)
- Origin:** Made in the USA
- Packed:** 1 each
- Features:** Lightly curved bottom for free rolling position on ball-bearings; for 1/4" glass, scant or full; for large glass door applications



997 ZC 144 Ball Carrier

- Size:** 3/8" wide x 17/32 height x 144" length
- Finish:** Zinc (ZC)
- Origin:** Made in the USA
- Packed:** 1 each
- Features:** Ball-bearing carrier has free rolling balls on 3" centers; unique design creates two point suspension between shoe and lower rack; for large glass door applications



999 ZC 144 Lower Track

- Size:** 1" wide x 1" high x 144" length
- Finish:** Zinc (ZC)
- Origin:** Made in the USA
- Packed:** 1 each
- Features:** Balls ride freely on curved anvil with no contact against sides of lower track; for large glass door applications



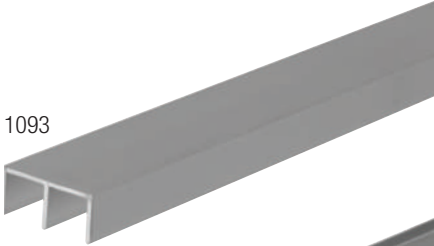
NOTE: For each foot of opening use 1' of upper channel and lower track and shoe (plus 1" per door for overlap), with 1-1/2' of carrier (1-1/2 times door width for each door). Glass is cut 1-1/4" lower than height of opening.

Roll-Ezy Aluminum Sliding Glass Door System



1093 144 Upper Channel

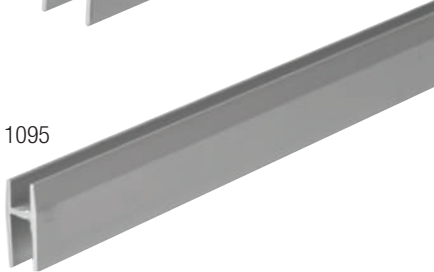
Size: 1-3/16" width x 9/16" height x 144" length
Finish: Aluminum (AL)
Origin: Made in the USA
Packed: 1 each
Features: Double channel for tops, bottoms, and ends; for small to medium size glass door installations; for 1/4" thick glass



1093

1095 144 Door Shoe

Size: 27/64" width x 1" height x 144" length
Finish: Aluminum (AL)
Origin: Made in the USA
Packed: 1 each
Features: Rollers to be inserted in the bottom; for small to medium size glass door installations; for 1/4" thick glass



1095

1096 144 Single Lower Track

Size: 31/64" width x 15/32" height x 144" length
Finish: Aluminum (AL)
Origin: Made in the USA
Packed: 1 each
Features: For single doors, or may be used with 1093 double channel for covered installation; for small to medium size glass door installations; for 1/4" thick glass



1096

NOTE: Cut glass 1-1/2" lower than opening when using 1096/1093 tracks

1099 144 Double Lower Track

Size: 1-1/16" width x 1/4" height x 144" length
Finish: Aluminum (AL)
Origin: Made in the USA
Packed: 1 each
Features: For small to medium size glass door installations; for 1/4" thick glass



1099

NOTE: Cut glass 1-3/16" lower than opening when using 1099 track

Components Sold Separately

1085 VINYL Guide

Size: 7/8" length
Finish: Vinyl (VINYL)
Origin: Made in the USA
Packed: 100 per carton
Features: Vinyl guide fits over the top of glass for noiseless operation in upper channel; for small to medium size glass door installations; for 1/4" thick glass



1097 NYLON Nylon Rollers

Finish: Nylon (NYLON)
Origin: Made in the USA
Packed: 100 per carton
Features: Rubber roller press fits into bottom of 1095 shoe



1098 ZC Steel Ball-bearing Roller

Finish: Zinc (ZC)
Origin: Made in the USA
Packed: 20 per carton
Features: Steel ball-bearing roller press fits into bottom of 1095 shoe



1088 ANOD Knob Pull

Finish: Zinc plated steel (ANOD)
Origin: Made in the USA
Packed: Sets of: 2 knobs, screws, and rubber bumpers per envelope
50 sets per carton
Features: Mounts to 1095 shoe (1092 assembly)



Non-stock item – minimum order quantities and additional lead time may apply.



Closet Hardware

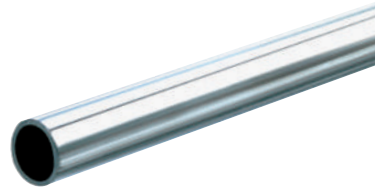
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Round Closet Rods

660 Series Heavy-Duty Round Closet Rods

660 Series Heavy-Duty Round Closet Rod

Diameter: Outside 1-1/16"; Inside 29/32"; Wall thickness 0.087"
Finish: Stainless Steel (SS)
Origin: Made in the USA
Packed: 6 per carton
Features: Steel core with solid stainless steel clad wrap



660 Series Heavy-Duty Round Closet Rods	
Length	Stainless Steel (SS)
72"	660 SS 72
96"	660 SS 96
120"	660 SS 120
144"	660 SS 144



0015 Series Heavy-Duty Closet Poles

0015 Heavy-Duty Cut-to-Fit Closet Poles

Diameter: Outside 1-5/16"; Inside 29/32"; Wall thickness 1.5mm
Finish: Bronze (BRZ), Brushed Nickel (BN), Chrome (CH),
 Oak (OK), Satin Black (BK), White (WT)
Packed: 4 per carton
Features: Cut-to-fit sizes with a scratch-resistant powder coat finish



0015 Series Heavy-Duty Cut-to-Fit Closet Pole	
Length	Oak (OK)
72"	0015-60K
96"	0015-80K



Round Closet Rod Mounting Flanges and Accessories



757 ANO Pilaster Flange

Finish: Anochrome (ANO)
Origin: Made in the USA
Packed: 100 per carton
Features: Fits 255 or 233 series pilaster; for 660, 750 1 and 770 1 Series Closet Rods



760 ANO 24 Center Closet Rod Support

Finish: Anochrome (ANO)
Origin: Made in the USA
Packed: 12 per carton with screws
Features: Center support 24" can be cut to size; for 660, 750 1 and 770 1 Series Closet Rods



Utility and Coat Hooks

Utility Hooks



1132 ANO Single Prong Utility Hook

- Size: 4", 6" and 10"
Finish: Anochrome (ANO)
Origin: Made in the USA
Packed: 12 per carton with screws
Features: Sturdy hook for commercial use



SKU Number	Length
1132 ANO 4	4"
1132 ANO 10	10"

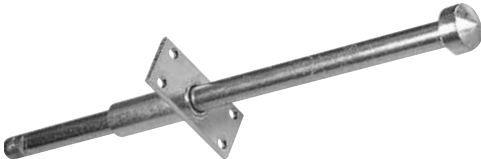
Valet Rods & Clothing Carriers

Valet Rod



753 ANO Telescopic Valet Rod

- Size: 7/16" diameter rod
extends 5/8"—8-1/4"
Finish: Anochrome (ANO)
Origin: Made in the USA
Packed: 1 per carton with screws; 12 per carton
Features: Extends from 5/8"—8-1/4"; for convenient hanging storage;
retract to get it out of the way when not in use



Clothing Carrier



KV1 ANO Clothing Carrier

- Size: 10": fits 10" shelf only
12": fits 12"—16" depth shelves
16": fits 16"—20" depth shelves
20": fits 20"—24" depth shelves
Finish: Anochrome (ANO)
Origin: Made in the USA
Packed: 1 per bag with screws, 12 bags per carton
Features: Mounts under closet shelves, greatly increasing capacity,
and makes garments more accessible



SKU Number	Travel
KV1 ANO 10	10"
KV1 ANO 12	12"
KV1 ANO 16	16"
KV1 ANO 20	20"

Closet Culture® Modular Closet Storage System

Hang Rail



0321 Series Heavy-Duty Hang Rail

Dimensions: 48"L x .38"D x 1.75"H

Material: Steel

Finish: Champagne Nickel (CN)
Satin Gold (SG)

Features: Hang rail required for system installation; heavy-duty steel construction provides strength and stability; holds 800 lbs. (200 lbs. per screw) installed on wall studs. Holds 400 lbs. (100 lbs. per screw) installed into drywall with anchors; quick, easy installation and leveling



Size	Champagne Nickel (CN)	Satin Gold (SG)
48"	0321-48CN	0321-48SG

Wood Shelf



0330 Series Decorative Wood Shelves

Dimensions: 22.8"W x .75"H x 15.78"D

Material: Wood

Finish: Espresso (ESP)
Driftwood (MPL)
White Oak (WT)

Features: Wood construction with laminated finish; attaches to 0323 shelf bracket with required shelf clips (0330-HDWR, not included)



Size	Espresso (ESP)	Driftwood (MPL)	White Oak (WT)
23"	0330-1623ESP	0330-1623MPL	0330-1623WT

Heavy-Duty Standard



0119 Series Heavy-Duty Standard

Dimensions: 48" - 48"L x 1.0"D x 1.0"W

78" - 78"L x 1.0"D x 1.0"W

Material: Steel

Finish: Champagne Nickel (CN)
Satin Gold (SG)

Features: Dual slot design is adjustable in 1-1/4" increments; mounts on hang rail; heavy-duty steel construction



Size	Champagne Nickel (CN)	Satin Gold (SG)
48"	0119-48CN	0119-48SG
78"	0119-78CN	0119-78SG

Wood Fascia



0339 Series Decorative Wood Fascia

Dimensions: 23.3"W x 2.5"H x .75"D

Material: Wood

Finish: Espresso (ESP)
Driftwood (MPL)
White Oak (WT)

Features: Installs on front of wire shelves and accessories for a finished look; wood construction with laminated finish



Espresso (ESP)	Driftwood (MPL)
0339-23ESP	0339-23MPL

Standard Extension Kit



KT-0119 Series Standard Extension Kit

Dimensions: 32.25"L x 1"D x 1"W

Material: Steel

Finish: Champagne Nickel (CN)
Satin Gold (SG)

Features: Extends 48" standard to 78"; creates more space for additional shelves and accessories below existing installation; for use anywhere on the stan



Size	Champagne Nickel (CN)	Satin Gold (SG)
30"	KT-0119-29CN	KT-0119-29SG

Closet Planning

All closets are essentially custom projects, because individual storage needs differ. However, there are some elements that all closets have in common.

There are two basic types of closets: walk-in and reach-in. Walk-in closets typically are found in the master bedroom suite. They vary in size and shape depending on the home layout. Typical shapes of walk-ins include square, rectangle, square notch and L-shaped. Reach-in closets are typically found in children/guest bedrooms, or along hallways, and are rectangle-shaped.

Walk-In Closet

There are no standard dimensions for the walk-in closet, but there are general guidelines that are essential in planning a closet in this format. You will need a minimum of 2 feet of space for the closet door. Pocket doors are recommended to give the most unrestricted access to clothing. When planning overall dimensions, the minimal path through the closet should be approximately 30 inches. The overall width should be a minimum 6 feet, 6 inches to allow for hanging space on both walls.

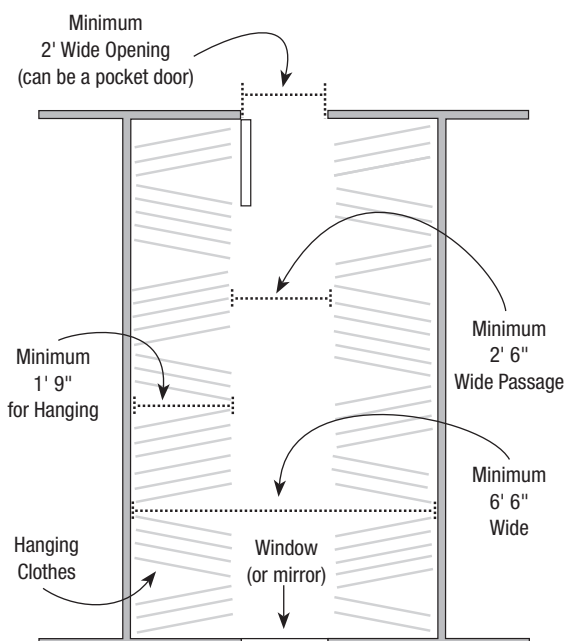
It is helpful to think of the walk-in as a combination of reach-in closets. Measure each wall separately. Plan storage one wall at a time using corner shelving or hang rods to make the most of the space. If the closet is shared, plan one wall for each person with the back wall shared or used by the person who needs more space.

Reach-In Closet

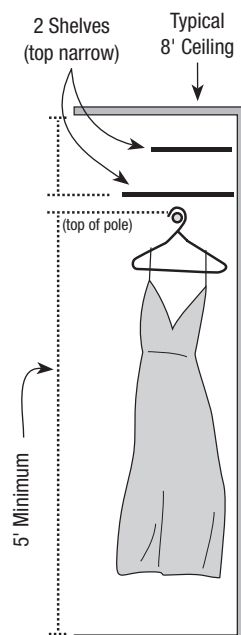
Reach-in closets are typically long rectangles measuring 48 inches long and larger. A typical reach-in closet is approximately 6 feet long, 8 feet high, 24 inches deep with an 80 inch high door opening. Reach-in closets are very practical for a single occupant. They allow for easy viewing and access of all contents. Accessories and baskets work well in them.

For a reach-in closet with bi-fold doors, it's best to place a basket section in the center of the closet for maximum accessibility. For a closet with sliding doors, put the baskets on either end of the closet.

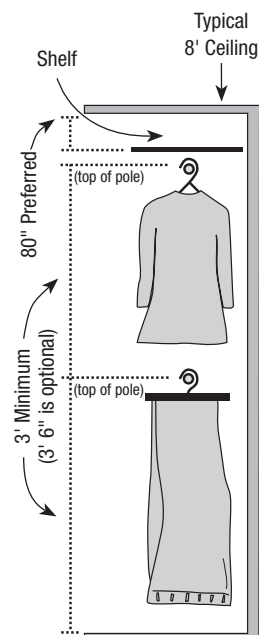
Walk-In Closet Dimensions



Single Pole



Double Pole



Closet Planning

Space Planning

Take inventory of what you will store in the closet area. The amount and types of clothing are essential information for proper planning. Below are general dimensions required by different types of clothing. Keep in mind that storage needs can change and flexibility is essential in designing a closet.

Women's

<i>Dress</i>	68" long
<i>Robe</i>	52" long
<i>Jacket</i>	36" long
<i>Blouse (on hanger)</i>	34" long
<i>Blouse (folded)</i>	10" wide, 13" long
<i>Skirt</i>	36" long
<i>Shoes</i>	6" wide, 9-1/2" long
<i>Sweater (folded)</i>	10" wide, 14" long

Men's

<i>Suit Coats</i>	12" wide, 38" long
<i>Shirts (six on hangers)</i>	12" wide, 38" long
<i>Shirt (folded)</i>	8" wide, 14" long
<i>Pants (straight on hanger)</i>	44" long
<i>Pants (folded on hanger)</i>	27" long
<i>Dress Hat</i>	6" x 11"
<i>Shoes</i>	9" wide, 12" long
<i>Boots</i>	9" wide, 12" long

Hanging Items

Short hanging items, such as skirts, blouses and folded pants, require rods attached 30 to 40 inches from the floor. A typical closet can include two levels of hanging rods. As a rule, place the top rod 80 to 82 inches up from the floor, the bottom rod about 40 inches up.

For a single rod application, plan 60 inches from the floor for placement. You will need at least 1 foot, 9 inches (24 inches is standard) away from the back wall for hanging. When spanning an opening of more than 48 inches, consider adding a center support to the closet rod for added stability. The same general rules apply to kids' closets. For young children who don't have a lot of hanging items, plan on one rod at 36 to 40 inches off the floor. This allows youngsters to reach their clothes.

Helpful Hints

- Maximize space. Few people own many items that require a 64 inch high rod. Dedicate a smaller space between 1 foot and 2 feet for these items. All other clothing can be hung in a double-rod application, thereby allowing more in a smaller space.
- Design for visibility. Plan the closet so socks, ties and underwear can be viewed when dressing.
- Beware of cedar. Cedar closets do keep moths away, but the cedar scent can permeate adjacent spaces. Plan for a cedar closet in the basement or with an extra door.
- Think about lighting. You need to be able to see clothes to make decisions when getting dressed. Overhead natural light is preferred but if it is not available, good fluorescent lighting is often the only code-compliant solution.
- Use the vertical dimension. Take advantage of all available space, up to the ceiling and down to the floor. Bins on high shelves, roll-out boxes that sit on the floor, even a third pull-down closet rod if your ceiling is over 9 feet, are ideal for storing items that aren't frequently used.



Pull-Out Systems & Specialty Storage

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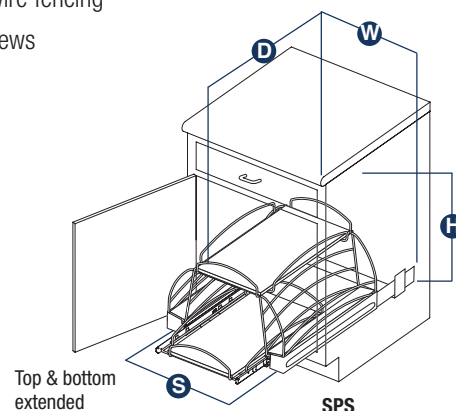


SPS27-FN
(Top and bottom extended)

Pot & Pan Caddy



- Two separate pull-out sections provide flexible pot and pan storage and access
- Pre-finished Birch veneer platforms with contoured skirting and Frosted Nickel heavy-gauge wire fencing
- Easy installation with only four screws



Stock #	Sliding Assembly	Assembled Product Dimensions				Finish	Units per Carton	Weight per Carton
	Width S	Width W	Height H	Depth D				
 POT & PAN CADDY								
SPS21-FN	19-1/2" [495 mm]	19-1/2" [495 mm]	14-1/4" [362 mm]	22-1/4" [565 mm]	Frosted Nickel/Birch	1	32.6 lbs. [14.8 kg.]	
SPS27-FN	25-1/2" [648 mm]	25-1/2" [648 mm]	14-1/4" [362 mm]	22-1/4" [565 mm]	Frosted Nickel/Birch	1	33.8 lbs. [15.3 kg.]	

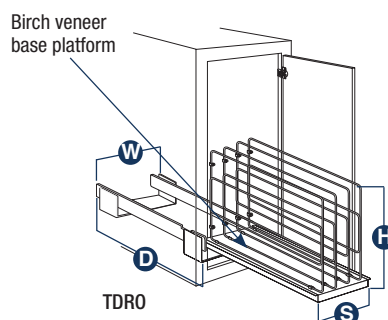


Tray Divider Roll-Out
(TDRO-FNW-9 shown)

Wood & Wire Tray Divider Roll-Outs



- Heavy gauge Frosted Nickel wire frames
- Birch veneer base platform
- Slides out on heavy-duty, full-extension ball-bearing slides



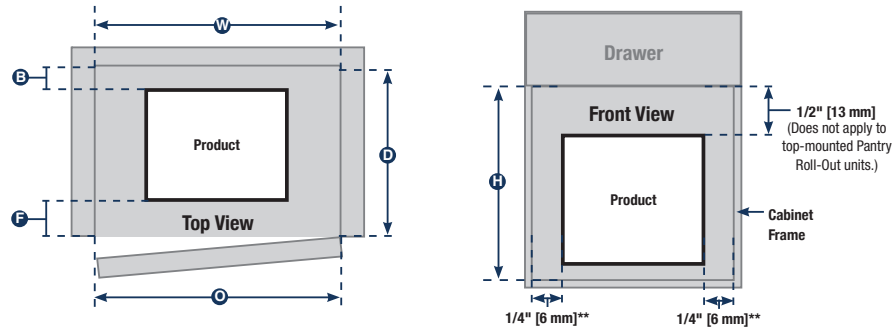
Stock #	Assembled Product Dimensions						Units per Carton	Weight per Carton			
	Sliding Assembly Width	S	Width	W	Height	H			Depth	D	Finish
WOOD & WIRE TRAY DIVIDER ROLL-OUTS											
TDRO-FNW-6	5-1/2" [140 mm]		5-1/2" [140 mm]		14" [356 mm]		22-1/4" [565 mm]		Frosted Nickel/Birch	1	11.5 lbs. [5.2 kg.]
TDRO-FNW-9	8-1/2" [216 mm]		8-1/2" [216 mm]		14" [356 mm]		22-1/4" [565 mm]		Frosted Nickel/Birch	1	13.9 lbs. [6.3 kg.]

* Total sliding assembly width is equal to total width of Side-Mount Basket application plus 5/8" [16 mm].

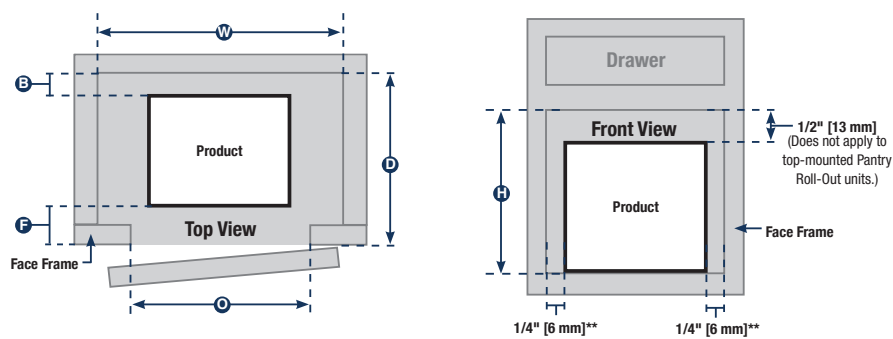
Pull-Out Cabinet Dimensions

Stock #	Min. Cabinet Opening	Min. Interior Cabinet Dimensions			Min. Cabinet Clearance	
	Width O	Width W	Height* H	Depth D	Front F	Back B
POT & PAN CADDY						
SPS21-FN	20" [508 mm]	20" [508 mm]	14-3/4" [375 mm]	22-3/4" [578 mm]	1/4" [6 mm]	1/4" [6 mm]
SPS27-FN	26" [660 mm]	26" [660 mm]	14-3/4" [375 mm]	22-3/4" [578 mm]	1/4" [6 mm]	1/4" [6 mm]
WOOD & WIRE TRAY DIVIDER ROLL-OUTS						
TDRO-FNW-6	6" [152 mm]	6" [152 mm]	14-1/2" [368 mm]	22-3/4" [578 mm]	1/4" [6 mm]	1/4" [6 mm]
TDRO-FNW-9	9" [229 mm]	9" [229 mm]	14-1/2" [368 mm]	22-3/4" [578 mm]	1/4" [6 mm]	1/4" [6 mm]

Example of Frameless / Euro-Style Cabinet Application



Example of Face Frame Cabinet Application



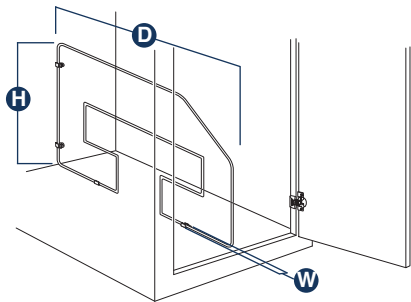
* Minimum Cabinet Opening Width AND Minimum Cabinet Interior Width equals total width of completely assembled unit with all baskets applied, plus 1/2" clearance per side (1" total clearance for center-mounted units, 1/2" side clearance for side-mounted units). Dimensions shown are recommended minimum cabinet dimensions and clearances.

** Slide-out Base Blind Corner Units and Base Cabinet Organizers require 1/2" side clearance on one side, not both.



Tray Divider

- Available in 12" and 18" heights
- Installs easily with four attachment clips

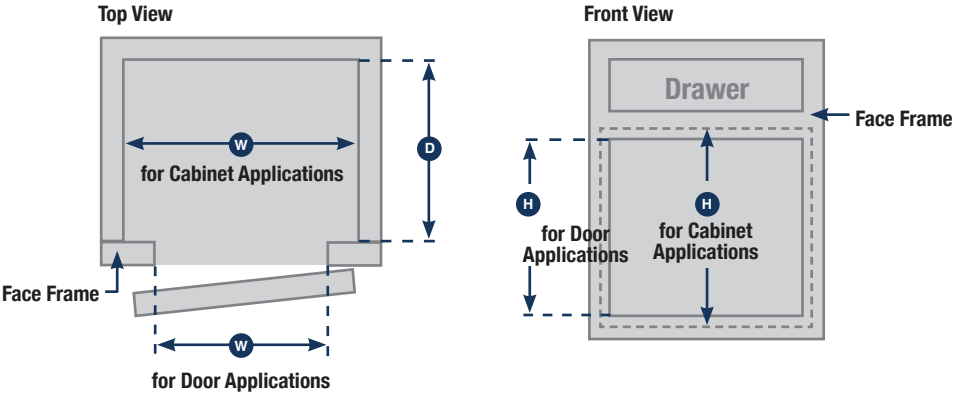


Stock #	Assembled Product Dimensions			Finish [Wire / Bin]	Units per Carton	Weight per Carton
	Width W	Height H	Depth D			
TRAY DIVIDER						
TD12-1-FN	15/16" [24 mm]	12" [205 mm]	19-1/2" [495 mm]	Frosted Nickel	1	2 lbs. [0.9 kg.]
TD12-FN	15/16" [24 mm]	12" [205 mm]	19-1/2" [495 mm]	Frosted Nickel	10	14.1 lbs. [6.4 kg.]
TD18-1-FN	15/16" [24 mm]	18" [457 mm]	19-1/2" [495 mm]	Frosted Nickel	1	2.2 lbs. [1.0 kg.]
TD18-FN	15/16" [24 mm]	18" [457 mm]	19-1/2" [495 mm]	Frosted Nickel	10	17.2 lbs. [7.8 kg.]
TD12-W	15/16" [24 mm]	12" [205 mm]	19-1/2" [495 mm]	White	10	14.1 lbs. [6.4 kg.]
TD18-1-W	15/16" [24 mm]	18" [457 mm]	19-1/2" [495 mm]	White	1	2.2 lbs. [1.0 kg.]
TD18-W	15/16" [24 mm]	18" [457 mm]	19-1/2" [495 mm]	White	10	17.2 lbs. [7.8 kg.]

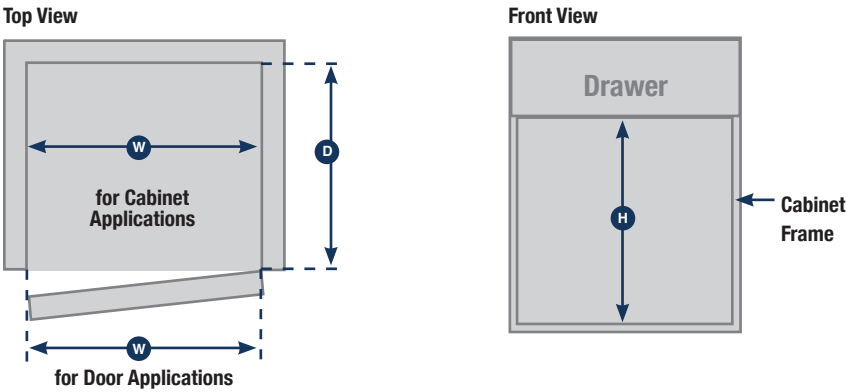
Specialty Storage Cabinet Dimensions

Minimum Interior Cabinet OR Door Opening Dimensions			
Stock #	Width W	Height H	Depth D
TRAY DIVIDERS			
TD12-1-FN	–	12-3/8" [314 mm]	20-1/8" [511 mm]
TD12-FN	–	12-3/8" [314mm]	20-1/8" [511 mm]
TD18-1-FN	–	18-3/8" [467mm]	20-1/8" [511 mm]
TD18-FN	–	18-3/8" [467mm]	20-1/8" [511 mm]
TD12-W	–	12-3/8" [314mm]	20-1/8" [511 mm]
TD18-1-W	–	18-3/8" [467mm]	20-1/8" [511 mm]
TD18-W	–	18-3/8" [467mm]	20-1/8" [511 mm]

FACE FRAME CABINET & DOOR APPLICATION EXAMPLE:



FRAMELESS / EURO-STYLE CABINET & DOOR APPLICATION EXAMPLE:



Dimensions shown are recommended minimum cabinet and door dimensions.
Product availability may vary; please refer to individual product pages for current offerings.



Garage Organization

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TAP-MOUNT® Storage System

Store and organize just about everything, big and small. Heavy-duty and versatile, the TAP-MOUNT® wall storage system allows for horizontal storage for garage and workshop items. Twenty-three unique pegs and hooks lock into the TAP-MOUNT® track quickly and easily.

TAP-MOUNT® is fully adjustable and will fit into any space to store all sizes of tools as well as sports equipment, garden tools, and automotive supplies.

Horizontal Tracks



0151 Series Horizontal Tracks
Sizes: 24", 48", 72"
Material: Steel
Finish: White
Features: Adjustable horizontally at 1/2" increments; durable powder coat finish that resists scratching



Size	White (W)
24"	0151-24WT
48"	0151-48WT
72"	0151-72WT

Fasteners



CD-0170 Fasteners
Material: Steel
Finish: Zinc
Features: Holds up to 50 lbs.



Individual Product Dimensions						
Stock #	Width W	Height H	Depth D	Finish	Units per Carton	Weight per Carton
HORIZONTAL TRACKS						
0151-24WT	3" [7.62cm]	24" [60.96cm]	1" [2.54cm]	White	4	7.81 lbs. [3.5 kg.]
0151-48WT	3" [7.62cm]	48" [121.92cm]	1" [2.54cm]	White	4	14.3 lbs. [6.5 kg.]
0151-72WT	3" [7.62cm]	72" [182.88cm]	1" [2.54cm]	White	4	30 lbs. [13.6 kg.]
FASTENERS						
CD-0170	0.39" (1cm)	2.5" (6.35cm)	0.39" (1cm)	Zinc	20	3.09 lbs. [1.4 kg.]



FAST-MOUNT® Storage System

A fast and economical way to organize. Made with heavy-duty galvanized steel, FAST-MOUNT™ provides a fast and economical way to organize your garage or basement. Wall standards can be mounted using the Hang-Trak™ rail, FAST-MOUNT™ Hook, FAST-MOUNT™ Bracket or directly to wall studs. Several bracket styles and sizes are available to accommodate any size project.

Four Installation Options:

- Hang-Trak™ – Simplifies installation by aligning and leveling multiple standards; supports up to 200 lbs. per screw when mounted into wall studs.
- FAST-MOUNT® Bracket – Mounts to the top wall header plate for a secure installation.
- FAST-MOUNT® Hook – Installs over the top plate, ideal for basements and storage sheds.
- Wall Stud Mounting – Mount directly into wall studs, or use wall anchors for hollow wall installations.

Wall Standards

BK-0100 Wall Standards

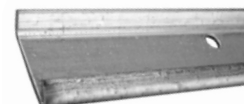
Sizes: 2', 4', 6'
Material: Steel
Finish: Galvanized
Features: Galvanized standard made from 0.075" thick steel with 7 installation holes for mounting to studs, hollow walls with anchors, or FAST-MOUNT® Hang-Trak™, brackets, and hooks.



Hang Track

0111 Hang Track

Sizes: 40", 80"
Material: Steel
Finish: Galvanized
Features: Heavy-duty galvanized Hang-Trak™ rail keeps FAST-MOUNT® standards level and aligned during installation. Supports up to 200 lbs. per screw. Hardware not included.



FAST-MOUNT®

Individual Product Dimensions						
Stock #	Width W	Height H	Depth D	Finish	Units per Carton	Weight per Carton
WALL STANDARDS						
BK-0100-2	1.25" [3.18cm]	24" [60.96cm]	1" [2.54cm]	Galvanized	6	9.6 lbs. [4.4 kg.]
BK-0100-4	1.25" [3.18cm]	48" [121.92cm]	1" [2.54cm]	Galvanized	6	19.2 lbs. [8.7 kg.]
BK-0100-6	1.25" [3.18cm]	72" [182.88cm]	1" [2.54cm]	Galvanized	6	28.8 lbs. [13.1 kg.]
HANG TRACK						
0111-40	1.75" [4.45cm]	40" [101.6cm]	0.375" [0.95cm]	Galvanized	6	11.7 lbs. [5.3 kg.]
0111-80	1.75" [4.45cm]	80" [203.2cm]	0.375" [0.95cm]	Galvanized	6	23.4 lbs. [10.6 kg.]

FAST-MOUNT® Storage System

Shelf Brackets



BK-0101 Single Bracket

Sizes: 11"

Material: Steel

Finish: Galvanized

Features: Single-slot bracket with 1" vertical adjustability for use with FAST-MOUNT BK-100 standards. Supports loads up to 100 lbs. per bracket.



BK-0102 Double Bracket

Sizes: 5", 10"

Material: Steel

Finish: Galvanized

Features: Double-slot bracket with 1" vertical adjustability for use with FAST-MOUNT BK-100 standards. Supports loads up to 150 lbs. per bracket.



BK-0103 Double Bracket with Support

Sizes: 11", 13", 20"

Material: Steel

Finish: Galvanized

Features: Double-slot bracket with 1" vertical adjustability for use with FAST-MOUNT BK-100 standards. Supports loads up to 300 lbs. per bracket.



FAST-MOUNT®

Individual Product Dimensions						
Stock #	Width W	Height H	Depth D	Finish	Units per Carton	Weight per Carton
SHELF BRACKETS						
BK-0101	2.875" [7.3cm]	11.375" [28.89cm]	0.0625" [0.16cm]	Galvanized	50	18.15 lbs. [8.2 kg.]
BK-0102-5	2" [5.08cm]	5.375" [13.65cm]	0.5625" [1.43cm]	Galvanized	20	6.4 lbs. [2.9 kg.]
BK-0102	2" [5.08cm]	10.375" [26.35cm]	0.5625" [1.43cm]	Galvanized	10	6.1 lbs. [2.8 kg.]
BK-0102-14	2" [5.08cm]	14.375" [36.51cm]	0.5625" [1.43cm]	Galvanized	10	8.2 lbs. [3.7 kg.]
BK-0103-11	1.5" [3.81cm]	12" [30.48cm]	0.5" [1.27cm]	Galvanized	10	7.65 lbs. [3.5 kg.]
BK-0103-14	1.5" [3.81cm]	15.5" [39.37cm]	0.5" [1.27cm]	Galvanized	10	10.65 lbs. [4.8 kg.]
BK-0103-22	1.5" [3.81cm]	22.5" [57.15cm]	0.5" [1.27cm]	Galvanized	10	13.92 lbs. [6.3 kg.]



HEAVYWEIGHT™ Diamond Plate Shelf Support System

Transform your workshop with the HEAVYWEIGHT™ Diamond Plate Steel Pegboard & Shelving System. Built from heavy-duty steel, the HEAVYWEIGHT™ standards feature a durable 1-inch by 1-inch profile made from 0.75-inch thick steel.

The HEAVYWEIGHT™ Pegboard, compatible with all standard peg hooks and accessories, boasts a rugged Diamond Plate embossing and corrosion-resistant finish for lasting durability.

For a complete shelving system, utilize the pegboard with HEAVYWEIGHT™ hang tracks, standards and shelf brackets.

Steel Pegboard



0204 Diamond Plate Steel Pegboard

Sizes: 16"x16", 16"x32", 16"x48"

Material: Steel

Finish: Platinum (PM), Black (BK)

Features: Rust-resistant steel; fits all standard hook accessories up to 1/4" diameter

0204-1616



0204-1632



0204-1648



0204-1616BK



0204-1632BK



0204-1648BK



Diamond Plate Shelf Edge



0220 Shelf Edge

Sizes: 48"

Material: Steel

Finish: Platinum (PM)

Features: Prevents sagging; or use with 3/4" shelves



Diamond Plate Hang Track



0221 Horizontal Hang Track

Sizes: 40"

Material: Steel

Finish: Platinum (PM)

Features: 8" pre-drilled holes fit 16" or 24" stud centers; supports 400 lbs. per screw



DIAMOND PLATE
HEAVYWEIGHT™
SHELF SUPPORT SYSTEM

Individual Product Dimensions						
Stock #	Width W	Height H	Depth D	Finish	Units per Carton	Weight per Carton
DIAMOND PLATE STEEL PEGBOARD						
0204-1616	16" [40.64cm]	16" [40.64cm]	0.65" [1.65cm]	Galvanized	5	15.5 lbs. [7 kg.]
0204-1616BK	16" [40.64cm]	16" [40.64cm]	0.65" [1.65cm]	Black	5	15.5 lbs. [7 kg.]
0204-1632	16" [40.64cm]	32" [81.28cm]	0.65" [1.65cm]	Galvanized	5	30.5 lbs. [13.8 kg.]
0204-1632BK	16" [40.64cm]	32" [81.28cm]	0.65" [1.65cm]	Black	5	30.5 lbs. [13.8 kg.]
0204-1648	16" [40.64cm]	48" [121.92cm]	0.65" [1.65cm]	Galvanized	4	36.5 lbs. [16.6 kg.]
0204-1648BK	16" [40.64cm]	48" [121.92cm]	0.65" [1.65cm]	Black	4	36.5 lbs. [16.6 kg.]
DIAMOND PLATE SHELF EDGE						
0220-48PM	1.38" [3.51cm]	48" [121.92cm]	0.08" [0.2cm]	Platinum	6	8.75 lbs. [4 kg.]
DIAMOND PLATE HANG TRACK						
0221-40PM	2" [5.08cm]	40" [101.6cm]	0.4" [1.02cm]	Platinum	6	14.25 lbs. [6.5 kg.]

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Knappe & Vogt Limited Warranty

Limited Lifetime Warranty for Commercial Business Products

This warranty is given to the initial purchaser of new commercial products purchased from Knappe & Vogt Manufacturing Company. The warranty covers defects in materials and workmanship. The warranty does not apply to defects resulting from misuse, damage or abuse, normal wear and tear, accident, modification, improper installation or maintenance, third party materials or damage during shipping. The warranty is not transferable and does not cover any subsequent purchasers of the products.

During the warranty period, Knappe & Vogt, will, at its option, repair or replace any defective product with a comparable product or component. This limited warranty is for repair or replacement of defective products only and does not cover any other costs such as removal, installation, or other related expenses.

For warranty service, please contact Knappe & Vogt Manufacturing Company, 2700 Oak Industrial Drive, Grand Rapids, MI 49505, Attention: Customer Service. Information regarding the claimed defect and date of purchase of the product must be provided. Any defective product must be returned postage or freight prepaid to Knappe & Vogt.

THIS LIMITED WARRANTY CONSTITUTES THE ONLY WARRANTY FOR THE PRODUCTS AND ALL OTHER WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, BY OPERATION OF LAW OR OTHERWISE, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY DISCLAIMED, WHERE PERMITTED BY STATE OR PROVINCIAL LAW.

THIS LIMITED WARRANTY CONSTITUTES THE SOLE REMEDY AVAILABLE WITH REGARD TO ANY DEFECTIVE PRODUCTS. KNAPE & VOGT SHALL NOT BE LIABLE FOR ANY INCIDENTAL, INDIRECT, CONSEQUENTIAL OR SPECIAL DAMAGES, INCLUDING WITHOUT LIMITATION, LOSS OF TIME, INCONVENIENCE, OR LOST REVENUES OR PROFITS, WHERE PERMITTED BY STATE OR PROVINCIAL LAW.

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Standard KV Commercial Warranty

Return Policy

Return Policy for special order or nonstock items:

We're sorry, we cannot accept returns on nonstock products or special order products unless there is a Knapé & Vogt error — which we will be happy to correct. To return product(s), please follow these procedures:

Please contact Knapé & Vogt Customer Service at 1.800.253.1561 or email customerservice@kv.com. A Customer Service Representative will assist you with getting a Return Goods Authorization (RMA) number. The original P.O. is required to receive a RMA number. Please return product within 30 days of issuance of the RMA number.

Restocking Fees:

- All resalable product returned in original resalable packaging will be assessed a 25% fee for restocking and handling.
- Minimum fee is \$25.
- All resalable products not returned in resalable original packaging will be assessed a 25% fee for repackaging in addition to the 25% restocking and handling fee.
- Above referenced fees will be waived on returns resulting from a Knapé & Vogt error.

Shipping:

You are responsible for all return shipping charges to return the product unless we made an error in shipping your order, i.e., the product we shipped is not the one you ordered, or is defective.

In the US, please ship to: Knapé & Vogt

Return Goods Department, 3800 Eastern Ave SE, Wyoming, MI 49509

In Canada, please ship to:

Knapé and Vogt/ Vanguard, Attn: Return Goods Department, 265 Export Blvd, Mississauga, ON L5S 1Y4

- Ensure the product(s) are properly packaged to prevent shipping damage.
- Include RMA number with return.
- Ensure all products returned match quantities and products listed on the assigned RMA.

Credit:

- A credit memo will be issued upon inspection and approval of the returned product.
- Upon receipt and inspection Knapé & Vogt will determine credit amount and notify you of any discrepancies.
- DO NOT make any financial adjustments to your account prior to Knapé and Vogt issuing a credit memo for returned goods.
- Please allow a minimum of 15 days for us to receive and process your return.
- We will credit or refund the value of the product total and any taxes you were charged less applicable fees. (excluding delivery charges).
- Refunds will be given in the same form of payment. Adjustments to credit cards should appear within two billing cycles.

Replacement Orders:

- Any replacement orders will be charged to your account.
- A credit memo will be issued for returned products that have been approved.

RMA Status Information:

- Visit www.customercareconnection.com.
- Enter your account information.
- If you do not already have your account set up for this free service, please register at www.customercareconnection.com.
- Your satisfaction is our priority. We are happy to accept returns or exchanges for any resalable or defective products within 60 days of the shipping date.



Notes:

 Notes:



2700 Oak Industrial Drive NE
Grand Rapids, MI 49505-6026 USA
1.800.253.1561 | customerservice@kv.com
www.kv.com



This and other KV literature is available for download at www.kv.com > Resource Library

Knappe & Vogt reserves the right to change product specifications at any time without notice and without incurring responsibility for existing units.

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