

# Product Guide

Functional Hardware | Storage & Organization



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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*.

## Contents

Drawer Slides	2
Shelving	2
Specialty Hardware	C
Closet Hardware	7
Pull-Outs	1
ndex	5
Knape and Vogt Limited Warranty	6
Return Policy	7

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## **Drawer Slides**

8350 3/4 Extension Drawer Slides
8400 Series Drawer Slides
8400 Full Extension Box or File Drawer Slide
8405 Over Travel Box or File Drawer Slide
8407 Full Extension Box or File Drawer Slide with Shelf Tabs 7
8414 Full Extension Hold-Out Precision Drawer Slide 8
8417, 8419, 8400RV Self-Closing Drawer Slides
8420 Metal Cabinet Drawer Slide
8450FM, 8455FM Soft-Close Drawer Slide
8500, 8505 Heavy-Duty File or Lateral Drawer Slides 12
8520, 8525 Extra Heavy-Duty File or Lateral Drawer Slides 13
8810, 8815 Heavy-Duty Drawer Slide
8000 Over Travel Undermount Pantry Drawer Slide 15
8150, 8157 3/4 Extension Variable Height Keyboard Slide 16
8250 3/4 Extension Variable Height Pencil or Center Drawer Slide 17
8070, 8071, 8072 Pivot Door Slides
8080, 8081, 8082 Pivot Door Slides
8091, 8092 Pivot Door Slides
4x4 Pocket Door Full Overlay Kit

## 8350 3/4 Extension Drawer Slides

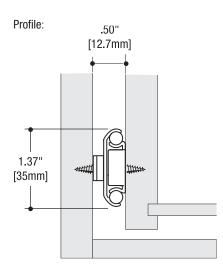


#### Features

- 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 movementLoad Rating:75 lb. classHeight:1.37" [35mm]Clearance:.50" + .03" - 0" on each sideFinish:Anochrome (ANO)



#### Configurations



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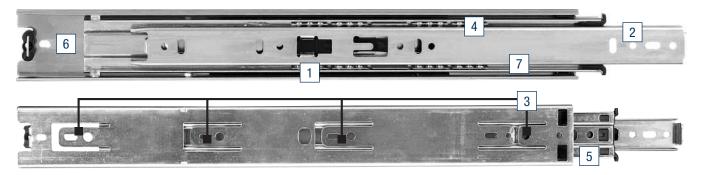
Bulk (B)	10 pairs per carton without screws		
8350 Anochrome (ANO) Finis	8350 Anochrome (ANO) Finish		
Size	Bulk (B)		
12"	8350B 12		
14"	8350B 14		
16"	8350B 16		
18"	8350B 18		
20"	8350B 20		
22"	8350B 22		

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

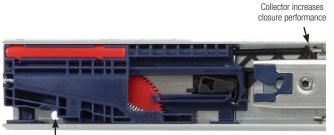
8400RV: Heavy-duty self-closing full extension drawer slide

#### 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.



Optional rear mounting hole increases mounting options

#### 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

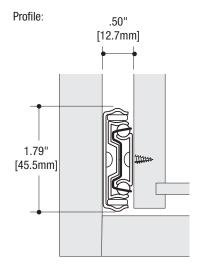
## 8400 Full Extension Box or File Drawer Slide



#### Features

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

Side
Telescopic movement on ball-bearings
: 100 lb. class
1.79" [45.5mm]
.50" + .03" - 0" on each side
Anochrome (ANO), Ebony Black (EB), White (WH)



#### **Mounting Brackets**





8404

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
8402WP	Rear	Zinc (ZC)	20 brackets/warehouse pack
8404**	Front	Zinc (ZC)	20 brackets/carton
8404B**	Front	Zinc (ZC)	100 brackets/carton
8404 EB**	Front	Ebony Black (EB)	20 brackets/carton
8404BBL**	Front	Zinc (ZC)	400 brackets/carton
8404B KIT**	Both	Zinc (ZC)	2 [8403] + 2 [8404] + screws

Bulk (B)		10 pairs per cartor	10 pairs per carton without screws		
Poly (P)		1 pair per bag with	1 pair per bag with screws; 10 pairs per cartor		
Quantity (Q)		50 pairs without so	crews; multiple cartons		
8400 An	ochrome (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	8400Q 26		
28"	8400B 28	8400P 28	8400Q 28		
8400 Eb	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	-	-		
24"	8400B EB 24	-	-		
8400 Wi	nite (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



	()
8400 Anoc	noch
Size	
8"	

#### Configurations





## 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)

Profile:

Configurati	ons	WOODWORK	USA		
Bulk (B)	10 pairs per carton	10 pairs per carton without screws			
Poly (P)	1 pair per bag with	screws; 10 pairs per c	arton		
Quantity (Q)	50 pairs without sc	rews; multiple cartons			
8405 Anochrome	e (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	8405Q 24		
26"	8405B 26	8405P 26	8405Q 26		
28"	8405B 28	8405P 28	8405Q 28		
8405 Ebony Blac	k (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	-	-		

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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**





8404

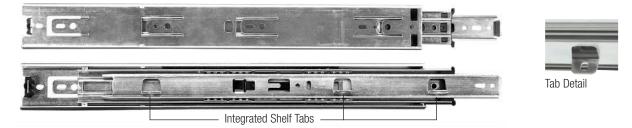
Product	Front or Rear	Finish	Pack
8401	Rear	Zinc (ZC)	20 brackets/carton
8402	Rear	Zinc (ZC)	20 brackets/carton
8402BBL	Rear	Zinc (ZC)	400 brackets/carton
8402WP	Rear	Zinc (ZC)	20 brackets/warehouse pack
8404**	Front	Zinc (ZC)	20 brackets/carton
8404B**	Front	Zinc (ZC)	100 brackets/carton
8404 EB**	Front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



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## 8407 Full Extension Box or File Drawer Slide with Shelf Tabs

Configurations



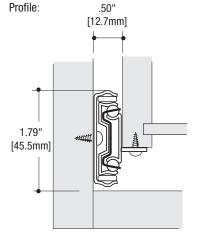
#### Features

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

# Mounting:SideAction:Telescopic movement on ball-bearingsLoad Rating:100 lb. classHeight:1.79" [45.5mm]Clearance:.50" + .03" - 0" on each sideFinish:Anochrome (ANO)

<b>D</b>    (D)				
Bulk (B)	10 pairs per carto	on without screws		
Poly (P)	1 pair per bag wit	1 pair per bag with screws; 10 pairs per carton		
8407 Anochron	ne (ANO) Finish			
Size	Bulk (B)	Poly (P)		
10"	8407B 10	-		
12"	8407B 12	-		
14"	8407B 14	-		
16"	8407B 16	8407P 16		
18"	8407B 18	8407P 18		
20"	8407B 20	8407P 20		
22"	8407B 22	8407P 22		
24"	8407B 24	-		
26"	8407B 26	_		

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



#### **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
8402WP	Rear	Zinc (ZC)	20 brackets/warehouse pack
8404**	Front	Zinc (ZC)	20 brackets/carton
8404B**	Front	Zinc (ZC)	100 brackets/carton
8404 EB *	Front	Ebony Black (EB)	20 brackets/carton
8404BBL**	Front	Zinc (ZC)	400 brackets/carton
8404B KIT**	Both	Zinc (ZC)	2 [8403] + 2 [8404] + screws

**Qty** 1000

## 8414 Full Extension Hold-Out Precision Drawer Slide



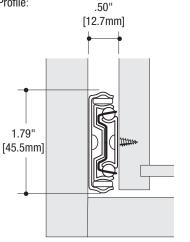
#### Features

- · 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"

#### Side Mounting:

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:



#### **Mounting Brackets**





8404

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
8402WP	Rear	Zinc (ZC)	20 brackets/warehouse pack
8404**	Front	Zinc (ZC)	20 brackets/carton
8404B**	Front	Zinc (ZC)	100 brackets/carton
8404 EB**	Front	Ebony Black (EB)	20 brackets/carton
8404BBL**	Front	Zinc (ZC)	400 brackets/carton
8404B KIT**	Both	Zinc (ZC)	2 [8403] + 2 [8404] + screws

Bulk (B)	10 pairs per carto	10 pairs per carton without screws	
Poly (P)	1 pair per bag with	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	

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

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## 8417, 8419, 8400RV Self-Closing Drawer Slides

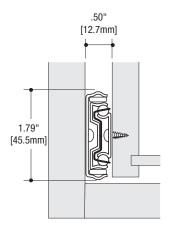


#### Features

- 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:



#### **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
8404 EB	Front	Ebony Black (EB)	20 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 wi	10 pairs per carton without screws		
Poly (P)	1 pair per bag with sc	1 pair per bag with screws; 10 pairs per carton		
8417 Anochrome (A	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 (A	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	e (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	-		

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

## 8420 Metal Cabinet Drawer Slide



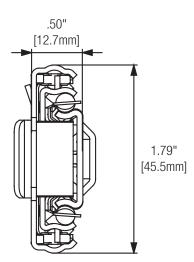


#### Features

- 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), Ebony Black (EB)

#### Profile:



#### 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



Configurations

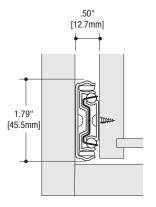
#### Features

- Patented Force Management<sup>™</sup> (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	
	OVERTM, OO IN alaga

	8455FM: 90 ID. Class
Height:	1.79" [45.5mm]
Clearance:	.50" + .03" - 0" on each side
Finish:	Anochrome (ANO), Ebony Black (EB)

#### Profile:





Patented Force Management<sup>™</sup> (FM) soft-close technology

Configurations	WOODWORK	MADE IN USA
Bulk (B)	10 pairs per carton without scr	ews
Poly (P)	1 pair per bag with screws; 10	pairs per carton
8450FM Anochrome (ANO) F	inish	
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) Fi	nish	
Size	Bulk (B)	Poly (P)
14"	8450FMB EB 14	_
16"	8450FMB EB 16	_
18"	8450FMB EB 18	_
	8450FMB EB 18 8450FMB EB 20	-
18"		- - -
18" 20"	8450FMB EB 20 8450FMB EB 22	
18" 20" 22"	8450FMB EB 20 8450FMB EB 22	
18" 20" 22" 8455FM Anochrome (ANO) F	8450FMB EB 20 8450FMB EB 22 inish	
18" 20" 22" 8455FM Anochrome (ANO) F Size	8450FMB EB 20 8450FMB EB 22 inish Bulk (B)	
18"           20"           22"           8455FM Anochrome (ANO) F           Size           16"	8450FMB EB 20 8450FMB EB 22 inish Bulk (B) 8455FMB 16	8455FMP 16
18"         20"         22"         8455FM Anochrome (ANO) F         Size         16"         18"	8450FMB EB 20 8450FMB EB 22 inish Bulk (B) 8455FMB 16 8455FMB 18	8455FMP 16 8455FMP 18
18"         20"         22"         8455FM Anochrome (ANO) F         Size         16"         18"         20"	8450FMB EB 20 8450FMB EB 22 inish Bulk (B) 8455FMB 16 8455FMB 18 8455FMB 20	8455FMP 16 8455FMP 18 8455FMP 20
18"         20"         22"         8455FM Anochrome (ANO) F         Size         16"         18"         20"         22"	8450FMB EB 20 8450FMB EB 22 inish Bulk (B) 8455FMB 16 8455FMB 18 8455FMB 20 8455FMB 22	8455FMP 16 8455FMP 18 8455FMP 20 8455FMP 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

Less than Full Extension: 12" = 10.2" Extension

#### **Mounting Brackets**





	MADE IN <b>USA</b>	

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
8404 EB	Front	Ebony Black (EB)	20 brackets/carton
8404BBL	Front	Zinc (ZC)	400 brackets/carton
8404B KIT	Both	Zinc (ZC)	2 [8403] + 2 [8404] + screws

Customer Service: 1.800.253.156	61   customerservice@kv.com
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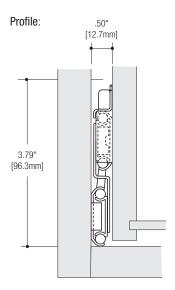
## 8500, 8505 Heavy-Duty File or Lateral Drawer Slides



#### 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)	



Configurati	ons	WOODWORK	MADE IN USA	
Bulk (B)	5 pairs per cartor	5 pairs per carton without screws		
Poly (P)	1 pair per bag wit	th screws; 5 pairs per car	ton	
Quantity (Q)	10 pairs without s	screws; multiple cartons		
8500 Anochrome	e (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"	-	8500P 30	-	
8505 Anochrome	e (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	-	

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)

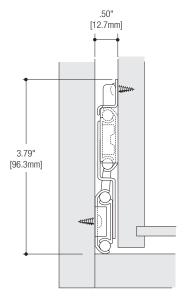
#### Configurations



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

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

#### Profile:



## 8810, 8815 Heavy-Duty Drawer Slide

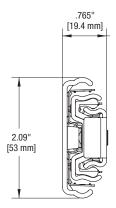


#### Features

- 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	
	<ul> <li>100 lb. flat mount rating</li> </ul>	
Height:	2.09" [53mm]	
Clearance:	.765" + .02"01" on each side	
Finish:	Zinc (ZC)	

Profile:



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

MADE IN

Recommended Fasteners
-----------------------

Configurations

#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

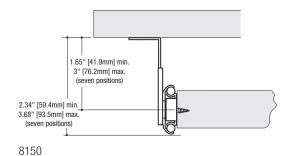


#### Features

- 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:	<ul><li>8150: 3/4 extension keyboard slide</li><li>8157: 3/4 extension keyboard slide with shelf tabs</li></ul>
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:



2.34" [59.4mm] min. 3.68" [93.5mm] max. (seven positions) 48157

Configurations	
Poly (P)	1 pair per bag with screws; 10 pairs per carton
8150 Anochrome (ANO) Fi	nish
Size	Poly (P)
14"	8150P 14
16"	8150P 16
18"	8150P 18
20"	8150P 20
8150 Ebony Black (EB) Fir	lish
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) Fi	nish
Size	Poly (P)
14"	8157P 14
16"	8157P 16
18"	8157P 18
20"	8157P 20
8157 Ebony Black (EB) Fir	lish
Size	Poly (P)
14"	8157P EB 14
16"	8157P EB 16
18"	8157P EB 18

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

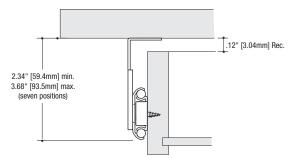


#### Features

- 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)		
10"	8250P 10		
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

## 8070, 8071, 8072 Pivot Door Slides



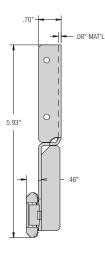
#### Features

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

Extension:	<b>8070:</b> 3/4 extension slide with self-close 35mm hinge <b>8071:</b> 3/4 extension slide without hinge and base <b>8072:</b> 3/4 extension slide with included hinge base			
Mounting:	Side			
Action:	Ball-bearing movement			
Load Rating: 30 lb. class				
Maximum	. 30 10. 01035			
	: Vertical doors: 42" high x 24" wide			
Dimonolono	Horizontal pivot doors: 24" high x 48" wide			
Finish:	Ebony Black (EB)			
THINGH.	LIVITY DIALK (LD)			

Maximum Slide Width Including Hinge for Partition Installations			
Туре	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

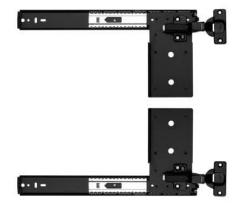


Poly (P) 1 pair per bag with screws; 10 pairs per carton					
8070EZ	Ebony Black (EB)	8071EZ	Ebony Black (EB)	8072EZ	Ebony Black (EB)
Includes standard 3/4 inset hinge and baseplate		Hinges and baseplates are not included		Baseplate included; Must order hinges separately	
Size	Poly (P)	Size	Poly (P)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

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## 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 hinge
	8081: 3/4 extension slide without hinge and base
	8082: 3/4 extension slide with attached hinge base
Mounting:	Side
Action:	Ball-bearing movement
Load Rating:	30 lb. class
Maximum	
Dimensions:	Vertical doors: 42" high x 24" wide
	Harizantal nivet dears, 0.4ll high y 40ll wide

Horizontal pivot doors: 24" high x 48" wide

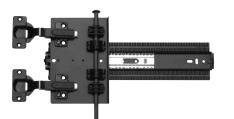
Finish: Anochrome (ANO) Ebony Black (EB)

Maximum Slide Width Including Hinge for Partition Installations			
Туре	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"	

Poly (P)	1 pair per bag wit					
8080EZ	Anochrome (ANO)	8081EZ	8081EZ Anochrome (ANO)		8082EZ Anochrome (ANO)	
Includes	hinges and bases	No hinge	s or bases	Hinge ba	ase 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)				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

## 8091, 8092 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.

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)

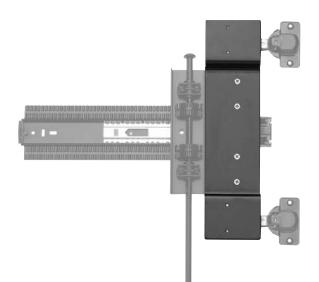
Maximum Slide Width Including Hinge for Partition Installations			
Туре	Grass	Salice	
Self-close hinge	1-25/32"	1-21/32"	
Free-swing hinge	1-25/32"	1-21/32"	
Overlay hinge	1-25/32"	1-7/8"	
Thick door hinge	2-5/32"	-	
Extra-thick door hinge	2-15/32"	2-5/16"	

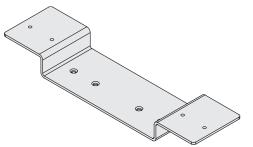
#### Configurations



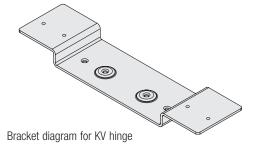
Poly (P)	1 pair per bag wit	1 pair per bag with screws; 1 pair per carton		
8091 Ebony Black (EB)		8092 Ebony Black (EB)		
Size	Poly (P)	Size	Poly (	P)
12"	8091SP EB 12	12"	80923	SP EB 12
13"	8091SP EB 13	13"	80925	SP EB 13
14"	8091SP EB 14	14"	80925	SP EB 14
15"	8091SP EB 15	15"	80925	SP EB 15
16"	8091SP EB 16	16"	80925	SP EB 16
18"	8091SP EB 18	18"	80925	SP EB 18
20"	8091SP EB 20	20"	80925	SP EB 20
22"	8091SP EB 22	22"	80925	SP EB 22
24"	8091SP EB 24	24"	80925	SP EB 24
26"	8091SP EB 26	26"	80925	SP EB 26
28"	8091SP EB 28	28"	80925	SP EB 28
30"	8091SP EB 30	30"	80925	SP EB 30
Recommended	l Fasteners	KV Part	Finish	Qty
#6 x 13/32" Ph	illips Pan Head Screws	1300-83	Zinc (ZC)	1000

## 4x4 Pocket Door Full Overlay Kit





Bracket diagram for Mepla hinge



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 Mepla and KV hinges
- Requires 8091 slide
- · Must attach to a partition wall

Mounting:Mounts directly to KV 8091 Series slideLoad Rating:75 lb. classFinish: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	<b>Overlay Pock</b>	et Door Kit B	lack (BLK) Fir	nish		
Poly (P)		Hinge				
8091SFUL	L34M	Grass				
8091SFUL	L34S	Salice				

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

NOTE: 3/4 Full Overlay applications require 8091 slides. Full Overlay Kit and 8091 slides much be attached to a partition wall.



## Shelving

255 <sup>™</sup> /256 <sup>™</sup> Series Mortise-Mount Pilaster Shelving System
233 <sup>™</sup> /237 <sup>™</sup> Series Surface-Mount Pilaster Shelving System 25
71 <sup>™</sup> /170 <sup>™</sup> Regular-Duty Standard and Bracket System
$80^{\text{™}}/180^{\text{™}}$ Regular-Duty Standard and Bracket System
82 <sup>™</sup> /182 <sup>™</sup> Series Heavy-Duty Standards 31
83 <sup>™</sup> /183 <sup>™</sup> Series Heavy-Duty Standard and Bracket System 32
$85^{ \rm \tiny TM}/185^{\rm \tiny TM}$ Series Extra-Duty Standard and Bracket System $\ldots \ldots 34$
$87^{\rm \tiny TM}/186^{\rm \tiny TM}/187^{\rm \tiny TM}$ Series Super-Duty Standard and Bracket System 36

## 255<sup>™</sup>/256<sup>™</sup> Series Mortise-Mount Pilaster Shelving System

- Holds up to 500 lbs. per shelf\*
- 1/2" vertical slot adjustment

Pack Configurations

- 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), White (WH), Zinc (ZC)

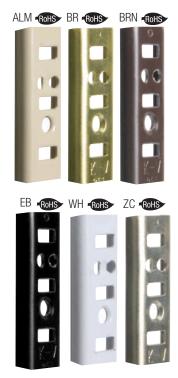
Origin:

Features:

Made in the USA

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\*

i uur	Connyura					
Standa	ard	12"-60", packed	100 standards pe	er carton; 72"–96	", packed 50 stan	idards per carton
Retail	(PK)	20 standards per o	carton with UPC L	abels		
255 S	teel Standards Sta	indard Pack				
Size	Almond (ALM)	Brass-look (BR)	Brown (BRN)	Ebony (EB)	White (WH)	Zinc (ZC)
12"	255 ALM 12	255 BR 12	255 BRN 12	255 EB 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"	-	-	-		-	255 ZC 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 EB 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 S	teel Standards Re	tail 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

Pack Configuration

Dimensions:5/8" width x 3/16" deep x selected lengthMaterial:17 gauge aluminumFinish:Natural (AL), Brass-look (BR), Walnut (WAL)



Fack connyuration		VV INSTITUTE				
Standar	d	12"–60", packed 100 standards per carton; 72"–96", packed 50 standards per carton				
255 Alu	minum Standards Standar	d Pack				
Size	Natural (AL)	Brass-look (BR)	Walnut (WAL)			
12"	255AL 12	255AL BR 12	255AL WAL 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.

Origin: Made Features: Number

Made in the USA

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\*



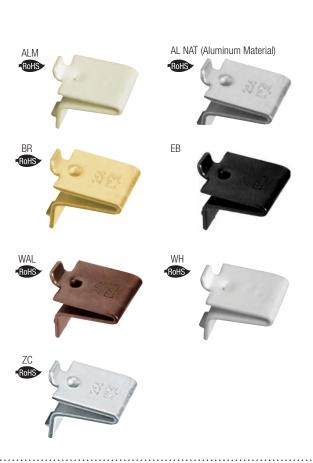
Plated finish products only

## 255<sup>™</sup>/256<sup>™</sup> Series Mortise-Mount Pilaster Shelving System

#### 256 Series Pilaster Shelf Support

Material:	High-strength steel, Aluminum (AL)
Finish:	Almond (ALM), Brass-look (BR), 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 Confi	gurations	WOODWORK		
Standard Pack	100 pieces per cart	on		
Bulk (B)	1000 pieces per ca	rton		
Barrel (BBL)	9000 pieces per ba	rrel		
Poly (P)	12 supports and 28 r	nails per bag; 10 bags per dis	splay carton	
256 Shelf Suppo	orts Almond (ALM) Fir	nish		
Standard	Bulk (B)	Barrel (BBL)	Poly (P)	
256S ALM	-	-	-	
256 Shelf Suppo	orts Brass-look (BR) F	inish		
256 BR	256B BR	256BBL BR	256P BR	
256 Shelf Suppo	orts Ebony (EB) Finish	1		
256 EB	-	256BBL EB	-	
256 Shelf Suppo	orts Walnut (WAL) Fini	ish		
256 WAL	256B WAL	256B WAL 256BBL WAL -		
256 Shelf Suppo	orts White (WH) Finish	1		



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

256 Shelf Supports Zinc (ZC) Finish

256S WH

256 ZC

256 AL NAT

#### Specialty Pilaster Shelf Supports

256B ZC

256 Shelf Supports Natural Aluminum (AL NAT) Finish

Part #:	256R ZC: Support with Rubber Cushion	-RoHS
	239 ZC*: Shelf Support	
	24276 ZC: Shelf Support with Mounting Hole	
	243 ZC: 3" Shelf Bracket (non-handed)	
	244 ANO: Wire Shelf Support	
	757 ANO: Flange for 1-1/16" OD closet rod	244
Material:	High-strength steel, cold rolled steel	-RoHS
Finish:	Anochrome (ANO), Zinc (ZC)	
Origin:	Made in the USA	22
Packed:	100 per carton	

256BBL ZC

\_



#### 229 Series Support Bracket

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

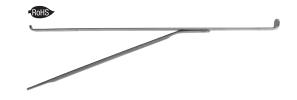


256S P WH

256P ZC

\_

229 Bracket		
Size	Anochrome (ANO)	
4"	229 ANO 4	
6"	229 ANO 6	
8"	229 ANO 8	
10"	229 ANO 10	



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



\* WoodWork Institute Acknowledged Products

## 233<sup>™</sup>/237<sup>™</sup> Series Surface-Mount Pilaster Shelving System

- Holds up to 500 lbs. per shelf\*
- 1/2" vertical slot adjustability

Zinc (ZC)

- BHMA Grade 1 Compliant\*
- Limited lifetime warranty
- 233 Surface Mount Steel Pilaster Standard Dimensions: 13/16" width x 3/16" deep x selected height

23 gauge high-strength steel



 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

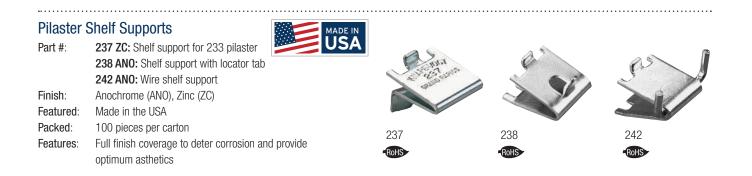
#### **Pack Configurations**

Material:

Finish:

Standard	100 per carton
233 Series Ste	el Standards Standard Pack
Size	Zinc (ZC)
12"	233 ZC 12
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





## 71<sup>™</sup>/170<sup>™</sup> Regular-Duty Standard and Bracket System

- · Narrow slot design
- 1" vertical slot adjustability

#### 71 Series Narrow Standard

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

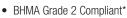
- Material: 13 gauge steel
- Finish:
   Anochrome (ANO)
- Origin: Made in the USA
- Features: Narrow design to fit between prefabricated wall panels for flush wall mount; countersunk screw holes; center aligned slots and screw holes; precision cut length

#### Pack Configuration

RoHS



Standard	10 per carton
71 Series Standards	
Size	Anochrome (ANO)
12"	71 ANO 12
48"	71 ANO 48
60"	71 ANO 60
72"	71 ANO 72
96"	71 ANO 96



• Limited lifetime warranty

#### 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 stablizer

#### Pack Configuration



<b>_</b>	
Standard	10 per carton
170 ANO Series Brackets	
Size	Anochrome (ANO)
10"	170 ANO 10
12"	170 ANO 12
14"	170 ANO 14





## 80<sup>™</sup>/180<sup>™</sup> Regular-Duty Standard and Bracket System

- Single slot design
- 1" vertical slot adjustability

#### 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)



.....

#### Pack Configurations

aon						
Standard		10 standards per carton, with UPC labels				
Builders	Pack (BP)	25 standards per carton, no UPC labels				
80 Serie	es Standards Sta	ndard Pack with	dard Pack with UPC Labels			
Size	Anochrome (ANO)	Black (BLK)	Brass-look (BR)	Titanium (TI)	White (WH)	
12"	80 ANO 12	80 BLK 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	

- BHMA Grade 2 Compliant\*
- Limited lifetime warranty
- .....

Origin:

Features:

Made in the USA

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



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<sup>™</sup>/180<sup>™</sup> Regular-Duty Standard and Bracket System

#### **180 Series Brackets**

Mater	ial: 14 and	l 16 gauge co	ld rolled stee	l, spring steel			
Finish		rome (ANO), B			Brown (BN).		ANO - ROHS
		m (TI), White (	. , ,	10011(21)	, 5.01 (5.1),		
Oriain			vviij				
Origin -		n the USA					
Featu		•	• • •	•	-	ring steel clip for stability	/
	and fri	ction lock; she	If retaining li	p; full finish c	overage to dete	er corrosion and provide	BLK ROHS
	optimu	m aesthetics				IADE IN	
D1	0		· • • • • • • • • • • • • • • • • • • •	OODWORK		JSA	
Pack	c Configura	ations	• •				
Standa	ard	10 brackets pe	r carton with UP	C labels attached			
Hefty	Pack (HP)	40 brackets pe	r display carton,	with UPC labels			
Builde	rs Pack (BP)	100 brackets p	er carton, no UP	C labels			BR -rohs
180 S	eries Bracke <u>ts S</u>	tandard Pack wit	h UPC Labels				-
Size	Anochrome	Black	Brass-look	Titanium	White		
	(ANO)	(BLK)	(BR)	(TI)	(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		TI -Rohs
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" 18"	180 ANO 16 180 ANO 18	180 BLK 16	180 BR 16	180 TI 16	180 WH 16		
20"	180 ANO 18		-		180 WH 18		
		efty Pack (HP) wi	th LIPC Labols				WH - RoHS
6"				180HP TI 6	180HP WH 6		
8"			_	180HP TI 8	180HP WH 8		
10"		180HP BLK 10	_	180HP TI 10	180HP WH 10		
12"		180HP BLK 12	_	180HP TI 12	180HP WH 12		
16"	-	180HP BLK 16	-	180HP TI 16	180HP WH 16		
180 S	eries Brackets B	uilders Pack (BP)					
6"	180BP ANO 6					i	
8"	180BP ANO 8	1					
10"	180BP ANO 10	1					
12"	180BP ANO 12						
14"	180BP ANO 14	-		o			
16"	180BP ANO 16	_					
18"	180BP ANO 18			y cas			

Locking Teeth and Retention Finger (Side View) BLK CORE R CORE TI CORE WH CORE

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

## 80<sup>™</sup>/180<sup>™</sup> Series Regular-Duty Standard and Bracket System

#### 160LL<sup>™</sup> 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<sup>™</sup> 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<sup>™</sup> 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)
8"	181 ANO 8
10"	181 ANO 10
12"	181 ANO 12
14"	181 ANO 14
16"	181 ANO 16





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

Customer Service: 1.800.253.1561 | customerservice@kv.com

## 80<sup>™</sup>/180<sup>™</sup> Series Regular-Duty Standard and Bracket System

#### Accessories

Packed:	100 per carton
104 ANO:	Anochrome (ANO) steel back rest
136 ANO:	Socket-#80 standard bottom socket
137 ANO:	Socket-#80 standard top socket
154 ANO:	Shelf-fastener (fastens shelf to bracket)







137







## 82<sup>™</sup>/182<sup>™</sup> Series Heavy-Duty Standards

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

#### 82 Series Standard

Dimensions:1-1/16" wide x 11/16" deep x selected lengthMaterial:14 gauge cold rolled steelFinish:Black (BLK), Titanium (TI), White (WH)

#### Pack Configurations



Standard		10 standards per carton with UPC labels		
Builders Pack (BP)		10 standards pe	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 St	andards Builders Pack (E	SP)		
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

182BE Bookend\*\*Finish:White (WH)Packed:10 pairs per cartonOrigin:Made in the USA



82 Series Bookend Standard Pack		
Size	White (WH)	
7"	182BE WH 7	
9"	182BE WH 9	
10.5"	182BE WH 10.5	

- BHMA Grade 2 Compliant\*
- Limited lifetime warranty

Origin: Made

### Features: E

#### Made in the USA

European design asethetics; 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





182BE



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

## 83<sup>™</sup>/183<sup>™</sup> Series Heavy-Duty Standard and Bracket System

- Single slot design
- 1" vertical slot adjustability

**Pack Configuration** 

#### 83 Series Oversized Standard

Dimensions:3/4" wide x 1/2" deep x selected lengthMaterial:16 gauge cold rolled steelFinish:Anochrome (ANO)



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	

• BHMA Grade 2 Compliant\*

Limited lifetime warranty

Origin: N Features: S

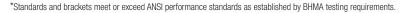
RoHS

Made in the USA

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; full finish coverage to deter corrosion and provide optimum aesthetics



Accesso	ries		
113L ANO	Left-Hand Anochrome (ANO) Panel Clip	191 ANO	Hang Rod Saddle
113R ANO	Right-Hand Anochrome (ANO) Panel Clip	192 ANO	Hang Rod Saddle
Finish:	Anochrome (ANO)	Finish:	Anochrome (ANO)
Origin:	Made in the USA	Origin:	Made in the USA
Packed:	50 per carton; Left and right clips packed separately	Packed:	10 per carton
Application	: Used to attach display and wall panels into vertical position	Features:	191 bolts to 183L & 183R or 185 brackets to hold 1-1/16" O.D. tubing/closet rods
134 AN S	ocket-#83 Standard Bottom Socket		192 bolts to 183L & 183R or 185 brackets to hold 1-5/16" O.D.
135 ANO S	Socket-#83 Standard Top Socket		tubing/closet rods
Origin:	Made in the USA		
Packed:	100 per carton		
159LL AN	Lock Lever Heavy-Duty Support Bracket		
Finish:	Anochrome (ANO)	9	
Origin:	Made in the USA		
Packed:	100 per carton		
Benefit:	Provides extra support for shelves with heavy loads;		
	lever lock for extra secure mounting and stability		



## 83<sup>™</sup>/183<sup>™</sup> 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 ca	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	183C 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	









#### 161LL Lock Lever Bracket

Matarial	1 A gourge cold rolled steel pulse	
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	



## 85<sup>™</sup>/185<sup>™</sup> Series Extra-Duty Standard and Bracket System

------

- · Double slot design
- 1" vertical slot adjustability

- BHMA Grade 2 Compliant\*
- Limited lifetime warranty

85 Series Standards

Dimensions:1-1/4" wide x 1/2" deep x selected lengthMaterial:16 gauge cold rolled steelFinish:Anochrome (ANO), White (WH)Origin:Made in the USAFeatures:Safety lead-in at top of standard; embosse

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 Config	uration	E
Standard	10 standards per carton, no UP	C labels
85 Series Standard	Is Standard Pack	
Size	Anochrome (ANO)	White

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



159LL ANO Lock Lever Heavy-Duty Support Bracket

1-1/16" O.D. Hang Rod Saddle

1-5/16" O.D. Hang Rod Saddle

10 per carton, with screw

Provides extra support for shelves with heavy loads; lock lever for extra secure mounting and stability

191 and 192 bolts to 183L, 183R and 185 Series Brackets

Anochrome (ANO)

100 per carton

Made in the USA

Anochrome (ANO)

Made in the USA

Finish:

Packed:

Origin:

Benefit:

191 ANO

192 ANO

Finish:

Packed:

Origin:

Features:

A	CC	cess	ories
_	_		

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		
107 ANO	Hang Rod Clamp		
Finish:	Anochrome (ANO)		
Packed:	20 per carton, with screw		
Origin:	Made in the USA		
Application:	Bolts to 183 and 185 Brackets to hold rods securely		
113L ANO 113R ANO	Left-Hand Anochrome (ANO) Panel Clip Right-Hand Anochrome (ANO) Panel Clip		
Finish:	Anochrome (ANO)		
Packed:	50 per carton; Left and right clips packed separately		
Origin:	Made in the USA		
Application:	Used to attach display and wall panels into vertical		
	position on standards		





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.

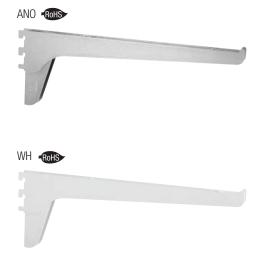
### 85<sup>™</sup>/185<sup>™</sup> Series Extra-Duty Standard and Bracket System

### **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 brackate: four locking tooth and two luge for eafaty

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, r	no UPC labels
185 Series Bracke	ts 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



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

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

### 87<sup>™</sup>/186<sup>™</sup>/187<sup>™</sup> 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 heightMaterial:12 gauge cold rolled steelFinish:Anochrome (ANO), White (WH)

### Pack Configuration



Standard	5 per carton, no UPC lab	els
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

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





### 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
	MADE MADE

### **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<sup>™</sup>/186<sup>™</sup>/187<sup>™</sup> 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



Pack Configurati		USA	
Standard	10 per carton, no UPC lab	iels	
186 Series Brackets Stan	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 Stan	dard 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 do not work with 87 Series Stainless Steel Standards. Must be used with Steel Standards.

#### 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:	For use with 186 and 187 Series Brackets for anchoring
	shelves to brackets











### 87<sup>™</sup>/186<sup>™</sup>/187<sup>™</sup> Super-Duty Stainless Steel Standard and Bracket System

- · Single slot design
- 2" vertical slot adjustability
- .....

### 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: Features:

Made in the USA

• Limited lifetime warranty

BHMA Grade 2 Compliant\*

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	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<sup>™</sup>/186<sup>™</sup>/187<sup>™</sup> Super-Duty Stainless Steel Standard and Bracket System

MADE IN

#### 186LL and 187LL Series Stainless Steel Lock Lever Brackets Material: 14 gauge 304 grade stainless steel

material.	
Finish:	Brushed Stainless Steel (SS)
Origin:	Made in the USA
Features:	Holds up to 560 lbs. per pair of brackets*; lever lock for
	easy installation, stability and safety; predrilled holes for
	mounting 1987 Series shelves or attaching shelf rests;
	two or three complete locking teeth

Pack Configuration

Standard	10 per carton, no UPC labels	
186 Series Brackets Standard Pack		
Size	Stainless Steel (SS)	
8"	186LL SS 8	
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 do not work with 87 steel standards. Must be used with Stainless Steel Standards



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



## Specialty Hardware

Mirror Clips/Glass Clips, Fittings and Latches 41
Index Followers, Label Holders, Locks and Pulls 42
Fasteners and Hinges 43
Steel Tracks and Guides for Sliding Doors 44
Roll-Ezy Ball-Bearing Sliding Glass Door System 45
Roll-Ezy Aluminum Sliding Glass Door System

### Mirror Clips/Glass Clips, Fittings and Latches

### Mirror Clips/Glass Clips

277 ANO	Bottom-Mount Mirror Clip	
Size:	1-1/2" wide x 1" high; for 1/4" thick glass/mirror	
Material:	Brass	
Finish:	Anochrome (ANO)	
Origin:	Made in the USA	
Packed:	10 per carton	
Features:	Screw attached bottom flange for snug mounting; made of	
	brass for corrosion resistance in high humidity	
278 ANO	Top-Mount Mirror Clip	
Size:	1-1/2" wide x 1-1/8" high; for 1/4" thick glass/mirror	
Material:	Brass	
Finish:	Anochrome (ANO)	
Origin:	Made in the USA	
Packed:	10 per carton	
Features:	Screw attached upper flange for snug mounting; made of	
	brass for corrosion resistance in high humidity	
288 ANO	Mirror Clip	
Size:	1/2" wide, for 1/4" thick glass/mirror	
Material:	Brass	
Finish:	Anochrome (ANO)	

309 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 for #4 screws; made of brass for corrosion
	resistance in high humidity
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
	с , , , , , , , , , , , , , , , , , , ,



### Fittings

Origin:

Packed:

Made in the USA

100 per carton

306 ANO	Glass Fitting
Size:	9/16" wide x 1-1/4" long
Material:	Brass
Finish:	Anochrome (ANO)
Packed:	100 per carton
Origin:	Made in the USA
Features:	Countersunk for #4 screws; made of brass for corrosion
	resistance in high humidity

Features: Made of brass for corrosion resistance in high humidity



Packed:

### Index Followers, Label Holders, Locks and Pulls

### Index Followers & Track



 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



#### 476F ZC Letter Sized Index Follower

10 per carton

Size:	Mounted plate is 7-5/8" from track and 10-3/4	" wide
Finish:	Anochrome (ANO)	
Origin:	Made in the USA	1000
Packed:	10 per carton	- Ale

#### 476T ZC 26 Index Follower Track

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



808

### Fasteners and Hinges

	Fasteners	CON		nt® Fastener			
	able Top Fastener, 1" width		516 ZC des	igned for 3/4" woo	bd		
323 STL Table Top Fastener, 5/8" width			Size:	Center-to-center	2" to 3-1/2"		
324 STL Ta	able Top Fastener, 3/4" width		Finish:	Zinc (ZC)			
Finish:	Steel (STL)		Origin:	Made in the USA			
Origin:	Made in the USA		Features:	Applies an even,	controlled pres	sure between join	t members
Packed:	100 per carton	~		to eliminate twisti	ing and bucklin	g	
341 ZC an	d 342 ZC Corner Brace		Pack Config	urations			
Size:	341: 1" x 1" installed		Standard	25 per carton			
	342: 2" x 2" installed	eo,*	Builders (BP)	100 per carton			
Finish:	Zinc (ZC)		516 Fastene	rs Zinc (ZC)	516 Joint Fas	tener Accessory Part	s
Origin:	Made in the USA	I S	Standard	Builders (BP)	Product	Description	Packed
Packed:	100 per carton		516/25 ZC	516/100 ZC	516-1	Draw Bolt	1 per carton
					516-60 516-62	Locking Sleeve Tightening Rod	1 per carton 1 per carton
1547 STL	Desk Top Fastener				516-63	Drill Guide	1 per carton
Finish:	Steel (STL)		540		516-64	Drill	1 per carton
Origin:	Made in the USA		516		516-80 100	Tightening Assembl	y 1 per carton
Packed:	100 per carton	9	C				
1548 ZC D	esk Top Fastener				516-1	516-	60
Finish:	Zinc (ZC)		1				
Origin:	Made in the USA						
Packed:	500 per carton	<b>E</b>					
521 ZC Ha	nger Plate (1/16" steel)				516-6	52 516-	63
Size:	13/16" x 2"	P			-		2
Finish:	Zinc (ZC)	0		America .			100
Origin:	Made in the USA		19	1)			10
Packed:	100 per carton	53	C. de	11			
Features:	Use with 3/4" #10 flathead wood screws	California		-	516-6	64 516-	80 100
							$\sim$

202

### 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) Made in the USA Origin: 455 STL Packed: 1 each 455 SS 144 Lower Track 19/64" height x 21/32" width x 144" length Size: Finish: Stainless Steel (SS) Origin: Made in the USA 455 SS Packed: 1 each 467 STL 144 Lower Track Size: 19/64" height x 7/16" width x 144" length Finish: Steel (STL) Origin: Made in the USA 467 Packed: 1 each 469 ZC 144 Double Lower Track Size: 1/4" height x 1" width x 144" length Finish: Zinc (ZC) 469 Made in the USA Origin: Packed: 1 each 953 ZC 144 Top Door Divider Size: 5/8" height x 5/8" width x 144" length Pre-coated Steel (ZC) Finish: Origin: Made in the USA 953

Packed:

Features:

1 each

Upper T-guide separates the sliding doors at the top

### Roll-Ezy Ball-Bearing Sliding Glass Door System



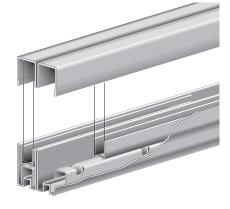
### **Complete Assembly**

### P992 Large Glass Door Track Assembly Kit

0		
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: Knape & Vogt does not recommend butt-joints and/or openings longer than 12 feet. We recommend that the height to width ratio for glass doors should not exceed 2:1.



### 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)	1093	
Origin:	Made in the USA	1000	
Packed:	1 each		
Features:	Double channel for tops, bottoms, and ends; for small to		
	medium size glass door installations; for 1/4" thick glass		
1095 144	Door Shoe		
Size:	27/64" width x 1" height x 144" length	1005	
Finish:	Aluminum (AL)	1095	
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		
1096 144 3	Single Lower Track		
Size:	31/64" width x 15/32" height x 144" length		
Finish:	Aluminum (AL)		
Origin:	Made in the USA	1096	
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	Ψ.	
NOTE: Cut g	lass 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	1099	11000
Packed:	1 each		
Features:	For small to medium size glass door installations;		
	for 1/4" thick glass		

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



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





Steel ball-bearing roller press fits into bottom



Finish:

Origin:

Packed:

Features:

USA

1098 ZC Steel Ball-bearing Roller

Zinc (ZC) Made in the USA

20 per carton

of 1095 shoe



## Closet Hardware

Round Closet Rods.	18
Round Closet Rod Mounting Flanges and Accessories	18
Utility and Coat Hooks	19
Valet Rods, Clothing Carriers and Towel Bars.	19
Closet Culture® Modular Closet Components	50

### Round Closet Rods

### 660 Series Heavy-Duty Round Closet Rods

660 Series Heavy-Duty Round Closet Rod		
Diameter:	ter: 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	
	Diameter: Finish: Origin: Packed:	



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

### 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

	Charles -
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 MADE IN			

SKU NUMber	Length	MADE IN
1132 ANO 4	4"	USA
1132 ANO 6	6"	
1132 ANO 10	10"	

PKV3 ANO	Heavy-Duty Single Prong Utility Hook	
Size:	5-1/2" or 10" lengths	07
Finish:	Anochrome (ANO)	100
Origin:	Made in the USA	VO
Packed:	10 units per carton with screws	
Features:	Sturdy steel rod for extra hanging spa	ace

SKU Number	Length	MADE IN
PKV3 ANO 5-1/2	5-1/2"	USA
PKV3 ANO 10	10"	

### Valet Rods, Clothing Carriers and Towel Bars



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

	ounig ounio
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<sup>®</sup> Modular Closet Components

### 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

S	ize	Champagne Nickel (CN)	Satin Gold (SG)
4	8"	0321-48CN	0321-48SG



### 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 Shelf

0330 Series Decorative Wood Shelves

White Oak (WT)

Dimensions: 22.8"W x .75"H x 15.78"D Material: Wood Finish: Espresso (ESP) Driftwood (MPL)



Features: Wood construction with laminated finish; attaches easily 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



#### KT-0119 Series Standard Extension Kit

KI-0119 36	IES Stanuaru 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 standard

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

#### 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 shelv

White Oak (WT) Installs on front of wire shelves and accessories for a finished look; wood construction with laminated finish

115

Espresso (ESP)	Driftwood (MPL)	White Oak (WT)
0339-23ESP	0339-23MPL	0339-23WT





## Pull-Outs

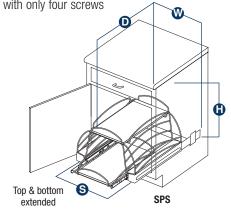
Pot & Pan Caddy	o2
Tray Divider Roll-Outs	53
Wood & Wire Tray Divider Roll-Outs	53



### 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



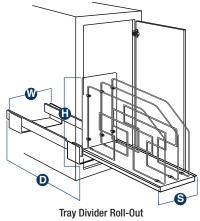
Assembled Product Dimensions Sliding Assembly							
Stock #	Width S	Width W	Height 🚹	Depth D	Finish	Units per Carton	Weight per Carton
<b>POT &amp; PAI</b>	N CADDY						
SPS21-FN	19-1/2" [495 mm]	19-1/2" [495 mm]	14-1/4" [362 mm]	22-1/4" [565 mm]	Frosted Nickel/Birch	1	32.6 lbs. [14.8 kg.]
SPS27-FN	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-Outs



- KV epoxy-coated roller slides
- Sliding base assembly is 1/2"- thick laminated melamine mounted on epoxy-coated slides and is fully assembled
- Heavy-gauge steel wire partitions section off storage areas



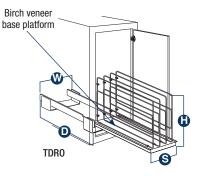
(TDR09-W shown)



### 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



Obs.al. #		O 145-445	Ilataba 🐽	Dauth 🔘	Fisial	Unite new Orates	Weisht zen Osaten
Stock #	Sliding Assembly Width	S Width	Height 🕕	Depth D	Finish	Units per Carton	Weight per Carton
TRAY DIVIDER ROLL-	OUTS						
TDR06-W	5-7/16" [138 mm]	6" [152 mm]	19-1/2" [495 mm]	22" [559 mm]	White	1	9.0 lbs. [4.1 kg.]
TDR09-W	8-7/16" [214 mm]	9" [229 mm]	19-1/2" [495 mm]	22" [559 mm]	White	1	11.9 lbs. [5.4 kg.]
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].

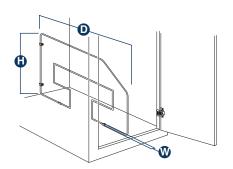
Customer Service: 1.800.253.1561 | customerservice@kv.com



### Tray Divider



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



Assembled Product Dimensions				Finish		
Stock #	Width W	Height 🕕	Depth D	[Wire / Bin]	Units per Carton	Weight per Carton
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.]

## Index

4x4 Pocket Door 21	<b>229</b> 24	<b>993</b> 45	<b>8414</b> 8
<b>0019</b> 50	<b>233</b> 25	<b>995</b> 45	<b>8417</b> 9
<b>71</b> 26	<b>237</b> 25	<b>997</b> 45	<b>8419</b> 9
<b>80</b> 27	<b>238</b> 25	<b>999</b> 45	<b>8420</b> 10
<b>82</b> 31	<b>239</b> 24	<b>1085</b> 46	8450FM 11
<b>83</b> 32	<b>242</b> 25	<b>1093</b> 46	8455FM 11
<b>85</b> 34	<b>243</b> 24	<b>1095</b> 46	<b>8500</b> 12
<b>87</b> 36, 38	<b>244</b> 24	<b>1096</b> 46	<b>8500-93</b> 3, 5, 6, 7, 8,
<b>104</b> 30	<b>255</b> 23	<b>1097</b> 46	9, 11, 12, 13, 16, 17
<b>106</b> 34	<b>256</b> 24	<b>1098</b> 46	<b>8505</b> 12
<b>107</b> 34	<b>277</b> 41	<b>1099</b> 46	<b>8520</b> 13
<b>113L</b> 32, 34	<b>278</b> 41	<b>1132</b> 49	<b>8525</b> 13
<b>113R</b> 32, 34	<b>288</b> 41	<b>1547</b> 43	<b>8810</b> 14
<b>134</b> 32	<b>306</b> 41	<b>1548</b> 43	<b>8815</b> 14
<b>135</b> 32	<b>309</b> 41	<b>1987</b> 36	<b>24276</b> 24
<b>136</b> 30	<b>318</b> 41	<b>8000</b> 15	<b>KT-0119</b> 50
<b>137</b> 30	<b>320</b> 43	<b>8070</b> 18	<b>KV1</b> 49
<b>154</b> 30	<b>0321</b> 50	<b>8071</b> 18	<b>P992</b> 45
<b>159LL</b> 32, 34	<b>323</b> 43	<b>8072</b> 18	<b>PKV3</b> 49
160LL 29	<b>324</b> 43	<b>8080</b> 19	<b>SPS21-FN</b> 52
161LL 33	<b>330</b> 50	<b>8081</b> 19	<b>SPS27-FN</b> 52
<b>170</b> 26	<b>339</b> 50	<b>8082</b> 19	TD12-1-FN 54
<b>179</b> 29	<b>341</b> 43	8090P 18	TD12-FN 54
<b>180</b> 28	<b>342</b> 43	<b>8091</b> 20	<b>TD12-W</b> 54
<b>181</b> 29	<b>455</b> 44	<b>8092</b> 20	TD18-1-FN 54
182BE 31	<b>467</b> 44	<b>8150</b> 16	TD18-1-W 54
<b>183</b> 33	<b>469</b> 44	<b>8157</b> 16	TD18-FN 54
<b>185</b> 35	<b>475F</b> 42	<b>8250</b> 17	<b>TD18-W</b> 54
186LL 37	<b>476F</b> 42	<b>8350</b> 3	<b>TDR06-W</b> 53
186LL SS 39	<b>476T</b> 42	<b>8400</b> 4–5	<b>TDR09-W</b> 53
187LL 37	<b>516</b> 43	<b>8400RV</b> 9	<b>TDRO-FNW-6</b> 53
187LL SS 39	<b>521</b> 43	<b>8401</b> 5, 6, 7, 8	<b>TDRO-FNW-9</b> 53
<b>191</b> 32, 34	<b>660</b> 48	<b>8402</b> 5, 6, 7, 8	
<b>192</b> 32, 34	<b>753</b> 49	<b>8403</b> 5, 6, 7, 8, 9, 11	
<b>210</b> 37	<b>757</b> 24, 48	<b>8404</b> 5, 6, 7, 8, 9, 11	
<b>211</b> 37	<b>760</b> 48	<b>8405</b> 6	
<b>212</b> 37	<b>953</b> 44, 45	<b>8407</b> 7	

## Knape and Vogt Limited Warranty

### Limited Lifetime Warranty for Commercial Business Products

This warranty is given to the initial purchaser of new commercial products purchased from Knape & 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, Knape & 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 Knape & 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 Knape & 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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## **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 Knape & Vogt error — which we will be happy to correct. To return product(s), please follow these procedures:

Please contact Knape & 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 Knape & 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: Knape & Vogt

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

#### In Canada, please ship to:

Knape 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 Knape & Vogt will determine credit amount and notify you of any discrepancies.
- DO NOT make any financial adjustments to your account prior to Knape 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.



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



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