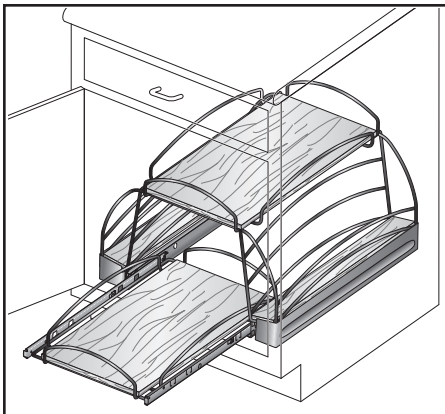


Slide-Out Pot & Pan Caddy

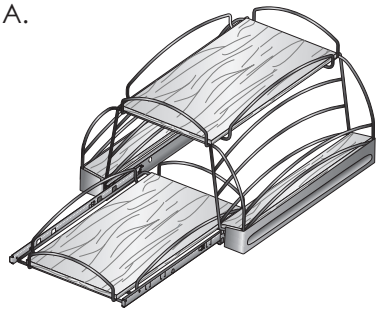
Installation Instructions

Inspect all parts and read all instructions prior to beginning assembly and installation.

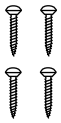
The Slide-Out Pot & Pan Caddy is designed and intended for the storage of pots and pans. It is not intended or designed to be used as a step stool. Top and bottom shelves are designed to carry a maximum of 25 lbs. each. Do not overload shelves.

Parts Included
A. Sliding Caddy Assembly
B. Mounting Screws

A.



B.



Tools Required
- Phillips head screwdriver
- Tape measure
- Pencil

Optional Tools
- Drill with 1/16" bit for drilling pilot holes

Product Assemblies
SPS21
SPS27

1 Inspect all parts and read all instructions prior to beginning assembly and installation.

2 If cabinet interior has an adjustable shelf, you may want to either remove the shelf or move the shelf to its highest adjustable position, allowing room for storing items on the top shelf of the Pot & Pan Caddy.

3 Place sliding caddy assembly on cabinet floor, against the back edge of the cabinet face frame. Be sure that the shelves slide-out towards the cabinet door. If installing in a frameless cabinet, measure 1/2" to 3/4" back from front of cabinet opening, and align sliding caddy assembly parallel to cabinet opening. Close door to make sure the assembly does not interfere with the door operation. Check that unit will clear the door opening by carefully sliding top shelf through cabinet frame opening no more than 2". Note: At this point, the Pot & Pan Caddy is not secured to cabinet floor, so use caution when extending the shelf towards the cabinet opening as both the top and bottom shelves can slide independently.

4 Once position and clearance is determined, return top shelf to it's closed position. Locate the front and rear mounting brackets (4A). (For ease of installation, one extra mounting hole location is provided per bracket.) Fasten each front bracket with one supplied screw and the Phillips head screwdriver. Repeat this process for the two rear brackets.

Remove the narrow side wood shelves from packaging. With the clips toward the bottom, push each shelf down into position until you hear a "click" (4B).

Optional Step

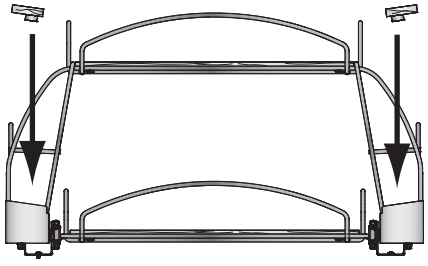
Mark placement of mounting holes with a pencil, carefully remove sliding caddy assembly and drill pilot holes for fastening screws. Place sliding base assembly back into position and fasten with the supplied screws.

Installation is now complete.

4A



4B



KNAPE & VOGT

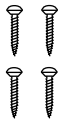
2700 Oak Industrial Drive NE
Grand Rapids, MI 49505 USA
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A.



B.



Liste des Pièces
A. Ensemble de chariot coulissant
B. Vis de montage

Outils Indispensables
- Tournevis à pointe cruciforme
- Ruban à mesurer
- Crayon

Outils Facultatifs
- Perceuse avec mèche de 1,5 mm (1/16 in.) pour le perçage d'avant-trous

Assemblages
SPS21
SPS27

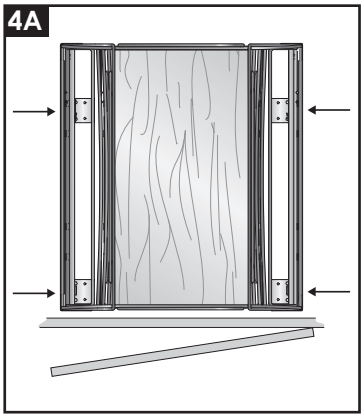
Piezas Incluidas
A. Ensamblaje de la Charola Deslizable
B. Tornillos de montaje

Herramientas Necesarias
- Destornillador Phillips
- Cinta métrica
- Lápiz

Herramientas Opcionales
- Taladro con una broca que mide 1,6mm para taladrar agujeros pilotos

Ensamblajes del Producto
SPS21
SPS27

4A



Chariot Porte-casseroles Coulissant

Instructions d'Installation

Vérifiez toutes les pièces et lisez toutes les instructions avant de commencer l'assemblage et l'installation.

Le chariot porte-casseroles coulissant est destiné au rangement des casseroles. Il n'est pas conçu pour être utilisé comme marchepied. Les tablettes du haut et du bas sont conçues pour supporter un poids maximal de 25 lb chacune. Évitez de trop les charger.

Étape 1
Vérifiez toutes les pièces et lisez toutes les instructions avant de commencer l'assemblage et l'installation.

Étape 2
Si l'armoire est dotée d'une tablette amovible, il pourrait être préférable de l'enlever ou de la mettre à la plus haute position possible pour pouvoir ranger des articles sur la tablette du haut du chariot porte-casserole.

Étape 3
Placez l'ensemble de chariot coulissant sur le fond de l'armoire, contre l'arrière du bâti de façade de l'armoire. Assurez-vous que les tablettes coulissent vers la porte de l'armoire. Si vous installez le chariot dans une armoire sans bâti, installez le chariot en retrait de 1/2 à 3/4 po de la façade de l'armoire, parallèlement à l'ouverture. Fermez la porte pour vous assurer que l'ensemble n'entrave pas le mouvement de la porte. Vérifiez que l'ensemble peut passer par l'ouverture de la porte en faisant coulisser soigneusement la tablette du haut de 2 po au maximum vers l'extérieur. Remarque : Le chariot porte-casseroles n'est pas encore fixé au fond de l'armoire. Faites donc attention en tirant la tablette vers l'ouverture de l'armoire puisque les deux tablettes peuvent coulisser indépendamment l'une de l'autre.

Étape 4
Une fois la position et le jeu vérifiés, refermez la tablette du haut. Repérez les supports de fixation avant et arrière (4A). (Pour faciliter l'installation, on a prévu un trou de montage supplémentaire sur chaque support.) Fixez chaque support avant avec une des vis fournies et un tournevis à pointe cruciforme. Répétez cette procédure pour les deux supports arrière.

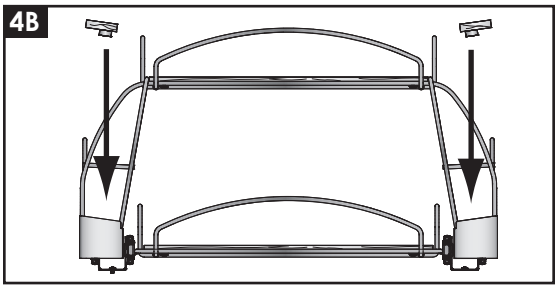
Sortez les deux tablettes latérales étroites en bois de l'emballage. Mettez les tablettes en place, attaches vers le bas, puis appuyez dessus jusqu'à ce que vous entendiez un déclic (4B).

Étape facultative
Marquez l'emplacement des trous de montage avec un crayon, puis retirez soigneusement l'ensemble de chariot coulissant et percez des avant-trous pour les vis de montage. Remettez en place la base coulissante, puis fixez-la avec les vis fournies.

L'installation est maintenant terminée.

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4B



Instrucciones para la Charola Deslizable para Cacerolas y Sartenes

Inspeccione todas las piezas y lea todas las instrucciones antes de comenzar con el armado y la instalación.

La Charola Deslizable para Cacerolas y Sartenes se ha diseñado con el propósito de almacenar cacerolas y sartenes. No se ha diseñado con el propósito de usarse como un escabel. Los estantes superiores y los inferiores se han diseñado para soportar un máximo de 25 lb. (11,3 Kg.) cada una. No debe sobrecargar los estantes.

Paso 1
Inspeccione todas las piezas y lea todas las instrucciones antes de comenzar con el armado y la instalación.

Paso 2
Si el interior del gabinete disponga de un estante ajustable, quizás querrá quitar el estante trasladar el estante a su posición ajustable más elevada, permitiendo lugar para guardar artículos en el estante superior de la Charola para Cacerolas y Sartenes.

Paso 3
Coloque el ensamblaje de la charola deslizable en el suelo del gabinete, contra el borde posterior del armazón frontal del gabinete. Asegúrese que los estantes deslizan hacia la puerta del gabinete. Si está instalando la charola dentro de un gabinete sin armazón, mida entre 12,7mm a 19mm detrás de la parte frontal de la abertura del gabinete, y alineé el ensamblaje de la charola deslizable para que quede paralelo a la abertura del gabinete. Cierre la puerta para asegurarse que el ensamblaje no interfiera con la operación de la puerta. Verifique que la unidad pueda pasar por la abertura de la puerta al deslizar cuidadosamente el estante superior a través de la abertura del armazón del gabinete en un incremento no mayor de 5cm. Nota: En este punto, la charola para cacerolas y sartenes no ha quedado anclado al suelo del gabinete, así que debe usar precaución al extender el estante hacia la abertura del gabinete ya que tanto el estante superior como el inferior pueden deslizarse independientemente.

Paso 4
Una vez que se ha determinado la posición y el espacio libre, vuelva a colocar el estante superior en su posición original. Identifique los soportes de montaje delanteros y traseros (4A). (Para facilitar la instalación, cada soporte cuenta con un agujero de montaje suplementario). Asegure cada soporte delantero con uno de los tornillos incluidos, utilizando el destornillador de cruz Phillips. Repita el procedimiento para los dos soportes traseros.

Retire del empaque los estantes de madera del lado angosto. Con los clips hacia abajo, posicione y empuje cada estante hasta oír un "clic" (4B).

Paso Opcional

Con un lápiz, marque la colocación de los agujeros de montaje, cuidadosamente quite el ensamblaje de la charola deslizable y taladre los agujeros pilotos para sujetar los tornillos. Regrese el ensamblaje de la base deslizable a su posición y sujete con los tornillos suministrados.

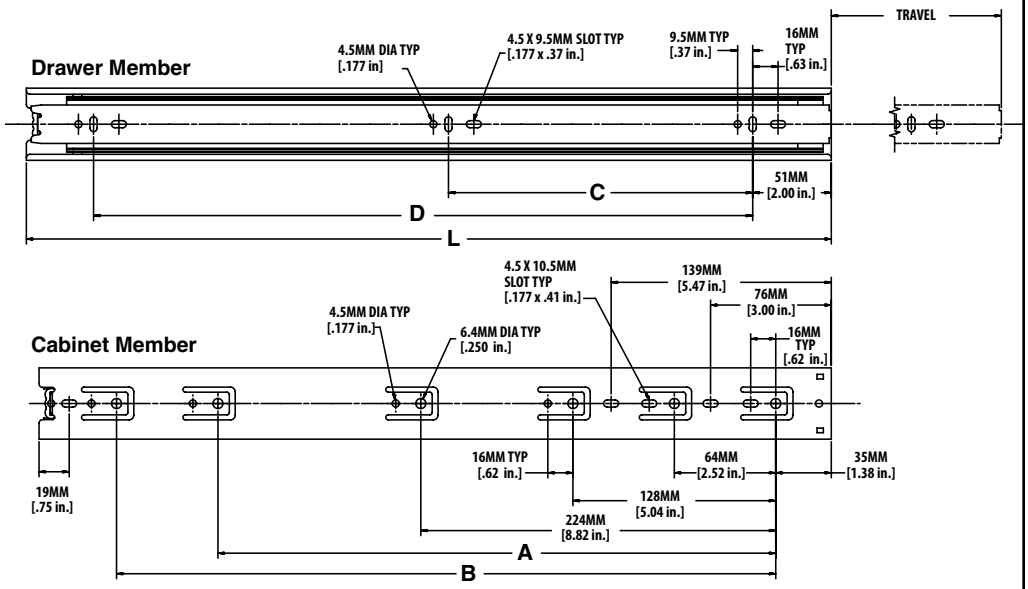
La instalación ahora está completa.

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TT100 Side Mounted Drawer Slide

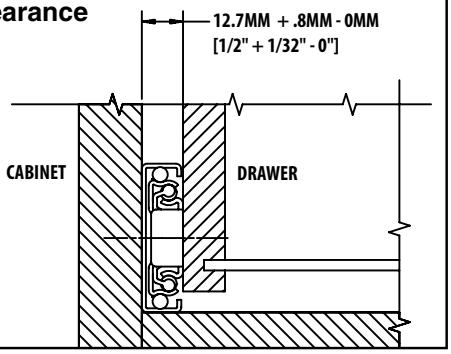
Installation & Technical Sheet

Mounting Hole Pattern

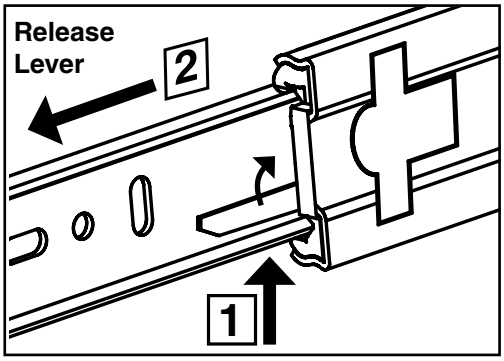


Slide Size	L	Travel	A	B	C	D
250MM	250MM [9.84]	250MM [9.84]	—	—	—	176MM [6.93]
300MM	300MM [11.81]	300MM [11.81]	224MM [8.82]	—	—	224MM [8.82]
350MM	350MM [13.78]	350MM [13.78]	—	—	128MM [5.04]	256MM [10.08]
400MM	400MM [15.75]	400MM [15.75]	288MM [11.34]	—	160MM [6.30]	320MM [12.60]
450MM	450MM [17.72]	450MM [17.72]	352MM [13.86]	—	160MM [6.30]	352MM [13.86]
500MM	500MM [19.69]	500MM [19.69]	352MM [13.86]	416MM [16.38]	192MM [7.56]	416MM [16.38]
550MM	550MM [21.65]	550MM [21.65]	352MM [13.86]	416MM [16.38]	224MM [8.82]	448MM [17.64]
600MM	600MM [23.62]	600MM [23.62]	224MM [8.82]	352MM [13.86]	480MM [18.90]	256MM [10.08]
650MM	650MM [25.29]	650MM [25.29]	224MM [8.82]	352MM [13.86]	544MM [21.42]	288MM [11.34]
700MM	700MM [27.56]	700MM [27.56]	224MM [8.82]	352MM [13.86]	544MM [21.42]	288MM [11.34]

Profile/ Side Clearance

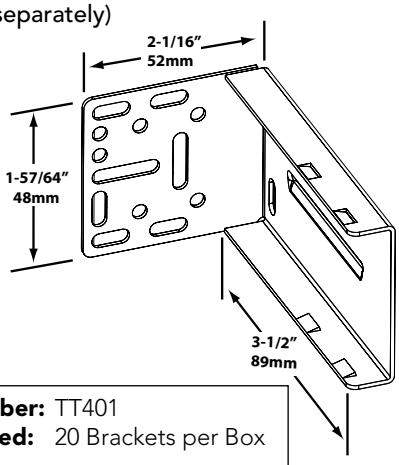


Release Lever



Rear Mounting Bracket

(sold separately)



Number: TT401
Packed: 20 Brackets per Box

Key Feature:
- Non-handed design

Product Information

- **Available in the following lengths: 250mm, 300mm, 350mm, 400mm, 450mm, 500mm, 550mm, 600mm, 650mm, 700mm**
- **Bulk Packaging: 10 Sets per Carton**
- **Load Rating: 100 Pounds**
- **Finish: Zinc**
- **Lever Release**
- **Traditional and 32mm Mounting Hole Pattern**
- **1 Year Limited Warranty**
- **Fasteners: #7x1/2 Panhead screws (not included)**

Warranty Information

Tru-Trac offers a One Year Limited Warranty to the initial purchaser of this product. This warranty covers defects in materials and workmanship, which occur during normal use, and the remedy is limited to only repair or replacement of the defective product, at Tru-Trac's option. This 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.

For warranty service, please contact Tru-Trac, PO Box 150047, Grand Rapids, Michigan 49515-0047. Any defective product must be returned postage or freight prepaid to Tru-Trac and must include a claimed defect and date of purchase.

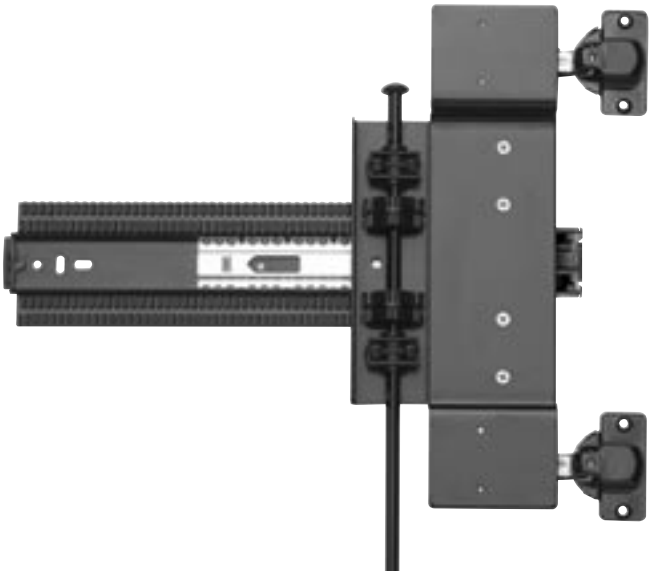
THIS ONE YEAR LIMITED WARRANTY CONSTITUTES THE ONLY WARRANTY AND SOLE REMEDY FOR THE PRODUCTS AND ALL OTHER WARRANTIES OR REPRESENTATIONS ARE HEREBY EXPRESSLY DISCLAIMED.

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310115-1108

4x4 Pocket Door® Full Overlay Kit



Typical Overlay Applications					
Door Thickness		Amount of Overlay		Pocket Width	
3/4″	(.7500)	3/4″	(.7500)	1-3/4″	(1.7500)
13/16″	(.8125)	11/16″	(.6875)	1-13/16″	(1.8125)
7/8″	(.8750)	5/8″	(.6250)	1-7/8″	(1.8750)
15/16″	(.9375)	9/16″	(.5625)	1-15/16″	(1.9375)
1″	(1.0000)	1/2″	(.5000)	2″	(2.0000)
1-1/16″	(1.0625)	7/16″	(.4375)	2-1/16″	(2.0625)
1-1/8″	(1.1250)	3/8″	(.3750)	2-1/8″	(2.1250)
1-3/16″	(1.1875)	5/16″	(.3125)	2-3/16″	(2.1875)
1-1/4″	(1.2500)	1/4″	(.2500)	2-1/4″	(2.2500)

SPECIFICATIONS:

- 75-pound maximum per door.
- Maximum door dimension of 26˝ wide x 72˝high.
- Minimum door height of 24″
- Not recommended for square doors or where door width is greater than door height.
- Self-closing three-way adjustable geometric door hinge with single lever disconnect feature.

Installation Instructions for KV® 4x4 Pocket Door® Full Overlay Kit

READ INSTRUCTIONS FIRST!

These instructions show how to install the KV 8091 Series Pivot Door Slide with overlay kit. Please note that improper installation may void the Knape & Vogt Limited Lifetime Warranty. To install the slides correctly, follow the enclosed instructions, use only KV hardware and make no modifications. If you have questions or need additional information, please contact Knape & Vogt customer service.

Typical Application

- Recommended maximum door dimension: 26˝wide x 72˝high. For some types of door construction where door center bow may be an issue, a third slide may be used **(see fig. 9)**.
- Minimum door height: 24"
- Maximum door height: 72"
- Recommended maximum door weight: 75 lbs.
- Use recommended KV#8090P CR roller for panel door construction.
- Designed to be used on vertical doors only.

Step 1. Size the cabinet door

For typical door applications, the cabinet door should be sized to allow for 1/8" top and bottom vertical gap. **(see fig. 12)**

Step 2. Install hinge cups in cabinet door

Always bore on a test block first to verify hinge cup locations.

Determine location of hinge hole centers. Layout the door cup holes from the top and bottom edges of the door, 2-3/4" from door edge to first hinge cup centerline and 8-13/16"from the centerline of the first hole to the centerline of the second inboard hole **(fig. 2)**. Bore four holes at back inside edge of door following chart recommendations (**chart 2**) for bore diameter and edge-bore distance. Install hinges in door.

Step 3. Attach overlay brackets to slides

Use enclosed #8-32 x1/4" screws to attach the overlay brackets to the slider **(fig. 4)**. Note: for proper bracket installation the slide detent needs to be exposed and not covered as shown.

Step 4. Attach hinge bases to overlay brackets

Use enclosed #8-32 x1/4" screws to attach the hinge bases as shown **(figs. 1 & 4)**.

Step 5. Position slide channels on partition

Locate the centerlines of the top and bottom slides 7-9/32" from the inside top and bottom surfaces of the partition **(see fig. 1)**. Set back the slides from the front edge of the partition 3/16"(4.8mm) from the front edge of the black molded guide roller on the slide **(see fig. 3)**.

Position the slide channels into the molded rack using the indexing pin on the back of the molded rack through the 1/4" dia. hole on the rear of the slide channel **(fig. 5)**.

Confirm that the slide assemblies are parallel to case edge and then mount the assemblies to the case side by driving screws through the slide assembly.

A mounting screw must always be used in the frontmost slide hole (**fig. 6)**.

Pull slides completely forward so that they are locked out. Note area on partition where hinge adjustment access holes are to be cut. The hinge adjustment access holes size, shape, and location are determined by the maker's preference. Cut access holes.

Step 6 Prepare pinion shaft and gear assembly

Cut the pinion shaft to 9" less than the overall cabinet opening height**.** ***The shaft end must be clean and deburred to allow the hardware to slide on.*** Pre-assemble a pair of pinion gears, pillow blocks and bushings to the top and bottom of the shaft making certain that the gears are assembled with the marking labeled "**This side up**" facing upward. Insert the pillow block attachment screws into the pillow block to hold the pillow block and bushing assemblies together and then attach the locking cap to the top of the pinion shaft. **(fig. 6)**

Step 7 Install pinion gear assembly to slides

Pull the slide hinge brackets to the front of the cabinet so that they are in the locked or detent-out position. Attach the pinion shaft assembly to the slides making sure that the teeth in the gear assemblies line up properly with the teeth in the rack assembly. Tighten the pillow block attachment screws but to do not overtighten. **(fig. 7)**

Step 8 Install partition.

To determine partition pocket width, use the following formula: Partition Pocket Width= 1"+Door Thickness **(See fig. 3)**

Step 9 Hang door and adjust hinges as required

Install hinged cabinet door to slide assembly in partition pocket. For installation ease, each hinge pair must be aligned together to the mating hinge bases and locked down simultanously. Slowly open and close the door, checking for proper operation and door alignment.

Hinge screws will allow for adjustment of the door in all three directions. **(fig. 8)**

Horizontal adjustment screw–adjusts door side gap clearance. ***Do not over adjust–this screw MUST NOT be tight.***

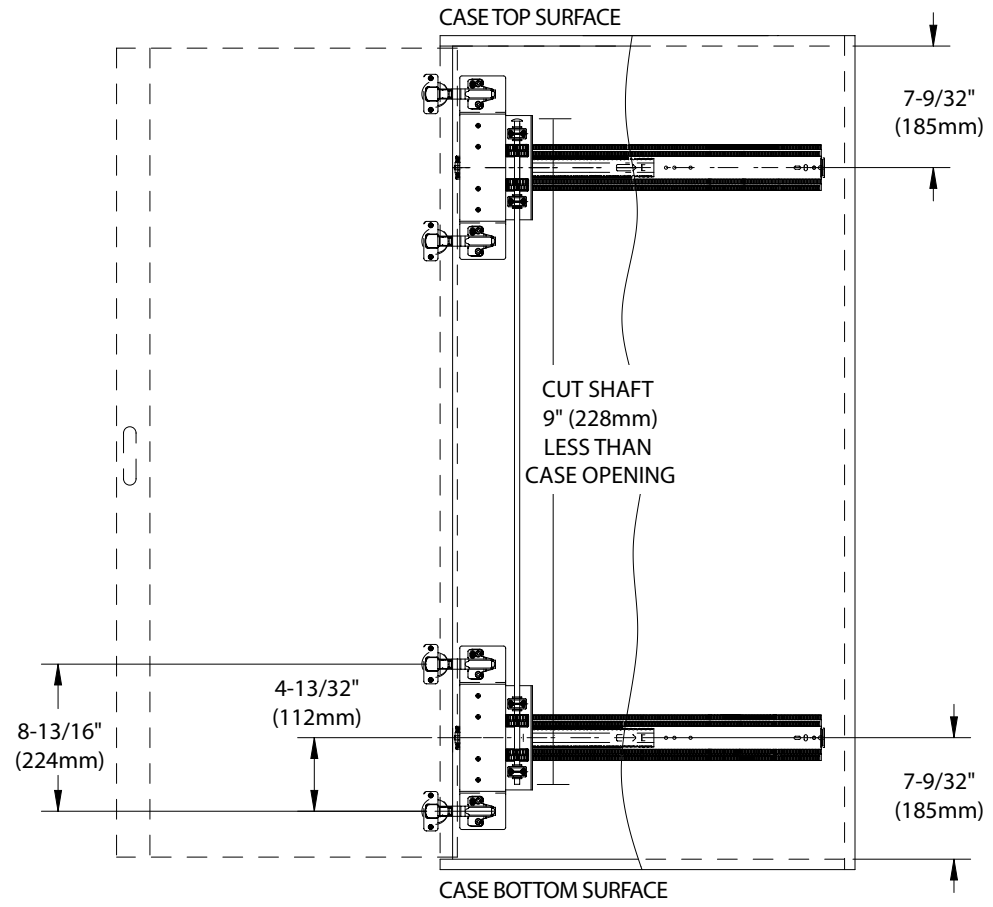
Depth adjustment screw–adjusts door face in and out (flush with case edge). **Screw must be tight**.

Vertical adjustment screw–adjusts door up and down (top and bottom gap clearance). **Screw must be tight.**

Step 10 Install guide rollers and felt pads

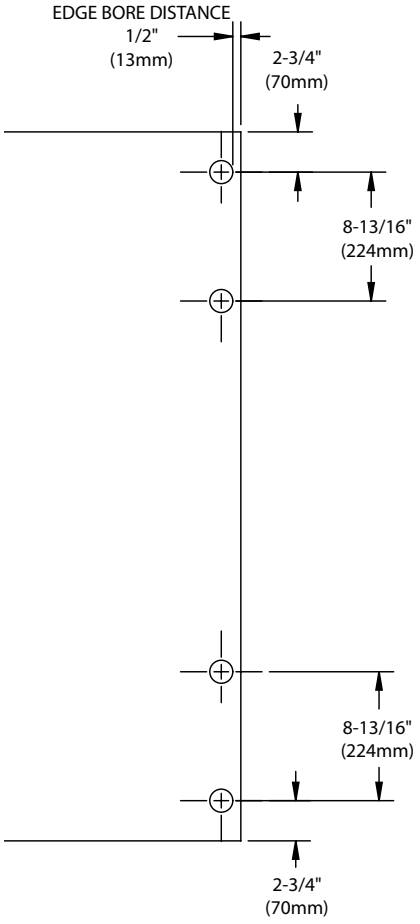
Secure top and bottom guide rollers using flat-head wood screws supplied. Tighten screws firmly **(see fig. 3)**.
Install felt pads **(see fig. 3)**.
Install cassette roller as needed **(see fig. 3)**.

figure 1



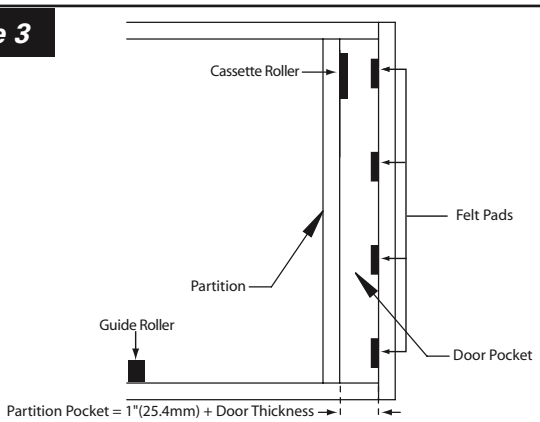
NOTE: Not recommended for square doors or where door width is greater than door height.

figure 2



DOOR PREPARATION

figure 3



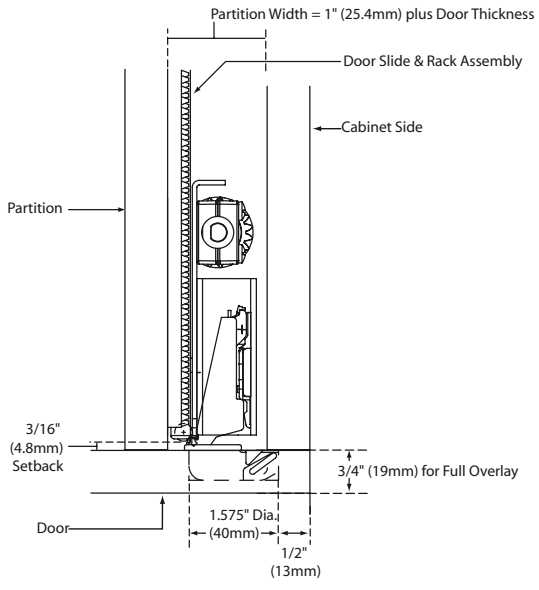
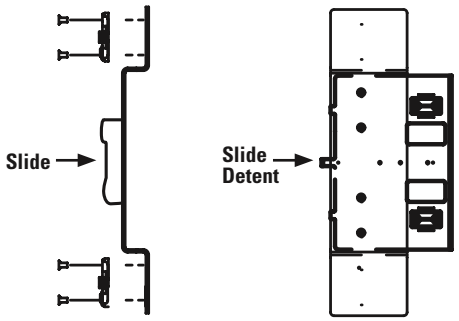


figure 4



HINGE BASE ATTACHMENT

BRACKET ATTACHMENT

figure 5

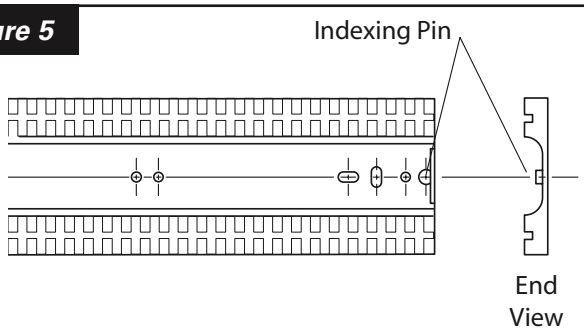
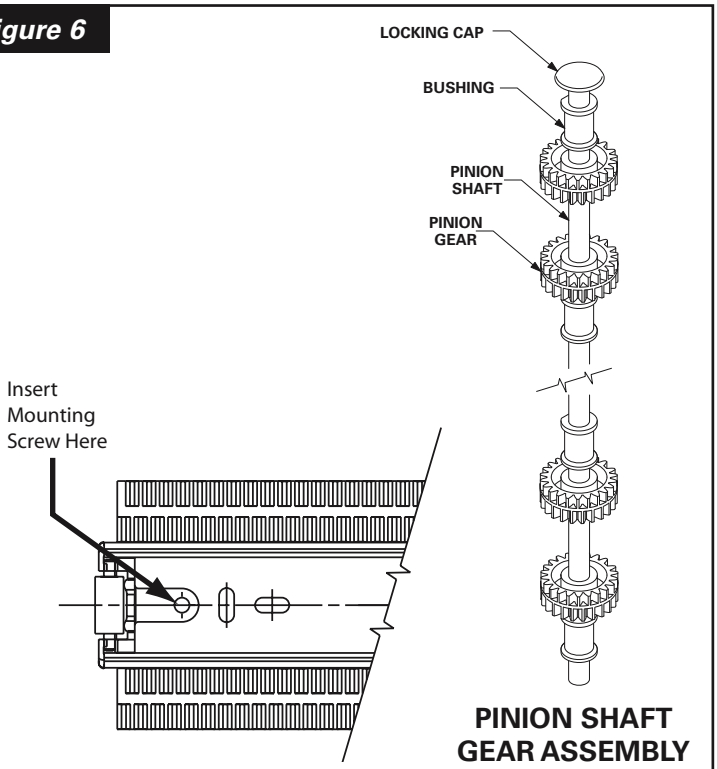
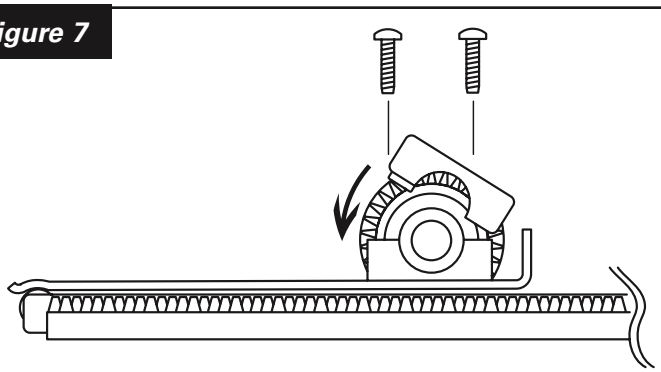


figure 6



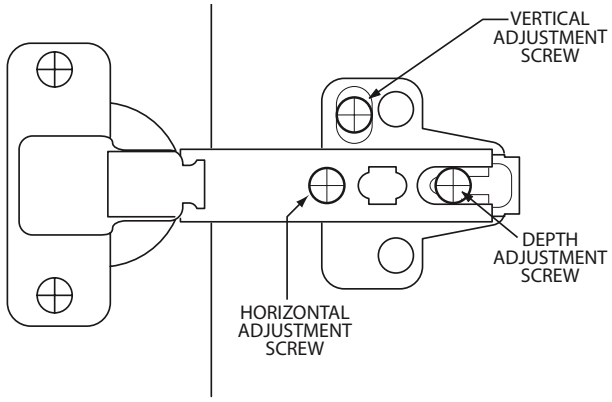
PINION SHAFT GEAR ASSEMBLY

figure 7



PINION GEAR ASSEMBLY

figure 8



HINGE ADJUSTMENT

figure 9

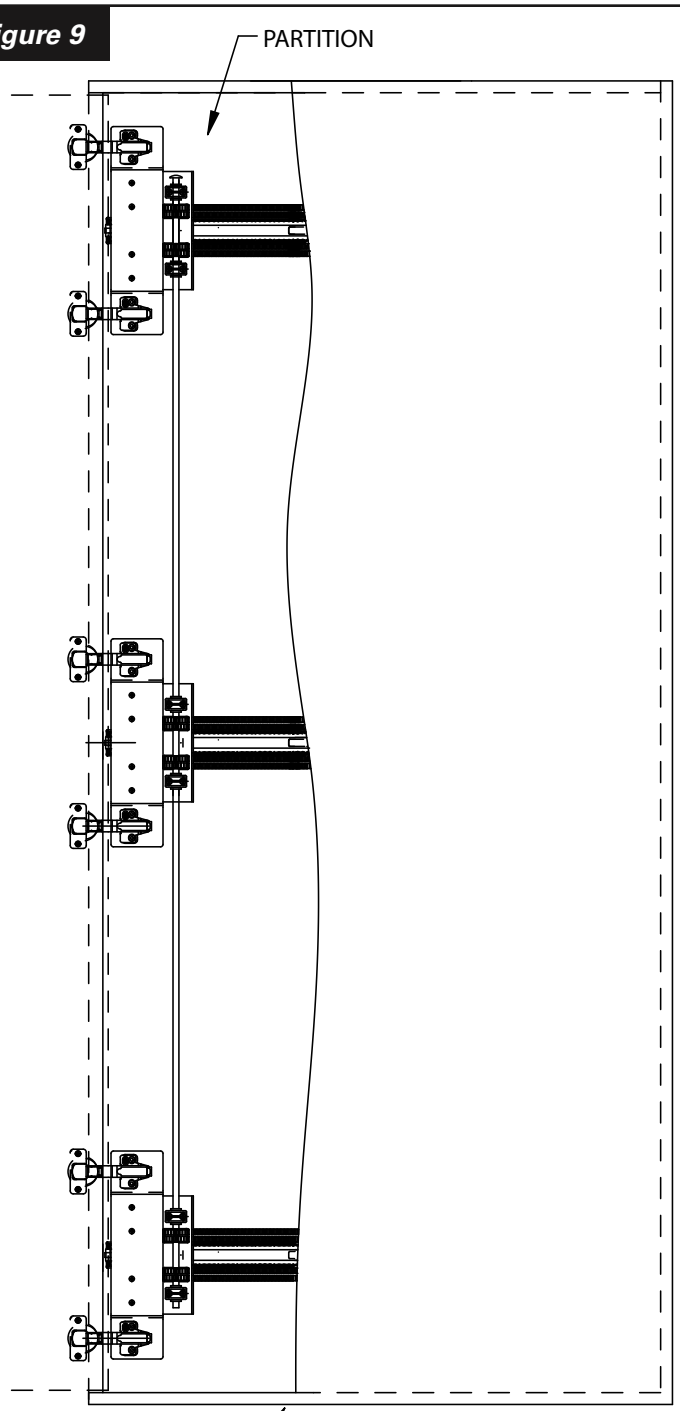
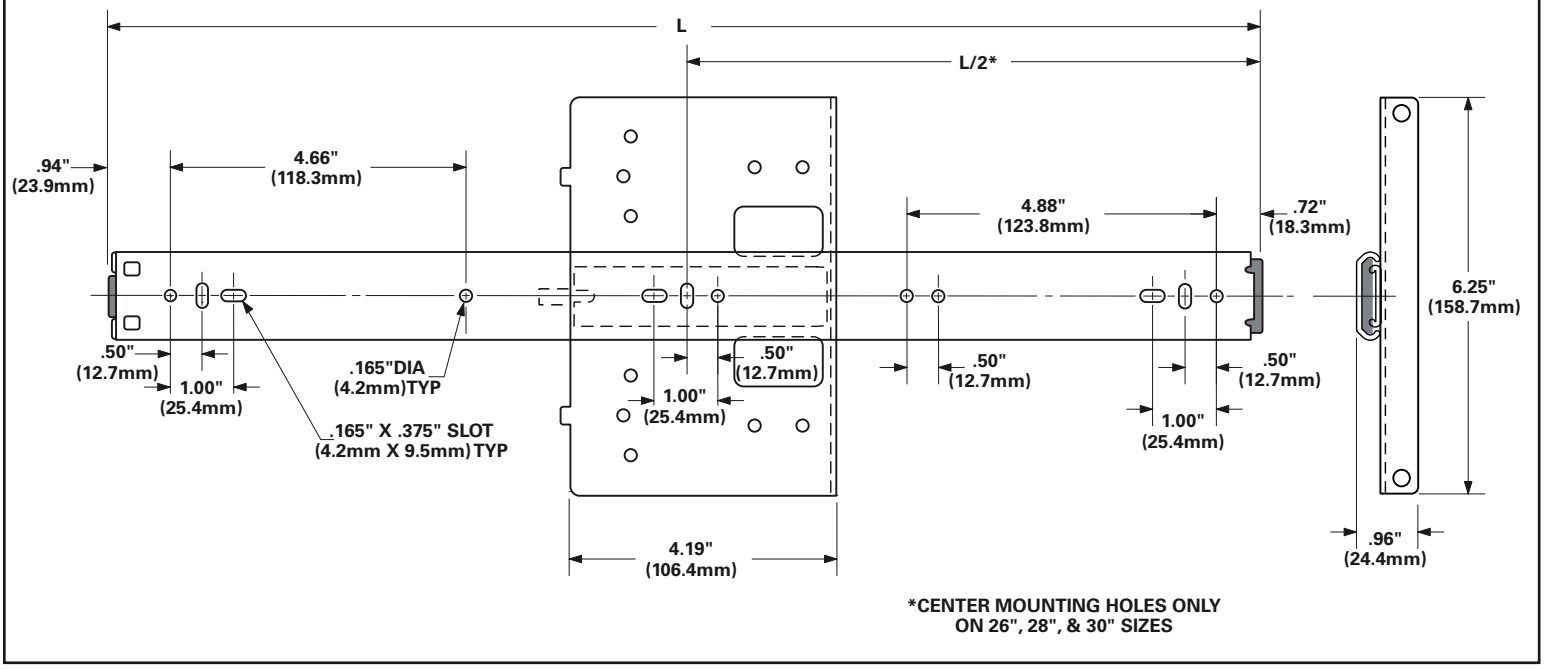


figure 11



*CENTER MOUNTING HOLES ONLY
ON 26", 28", & 30" SIZES

figure 12

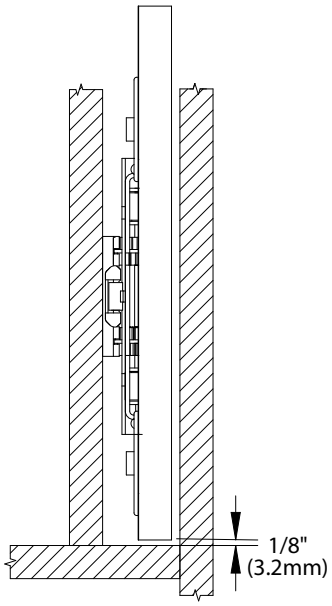


figure 13

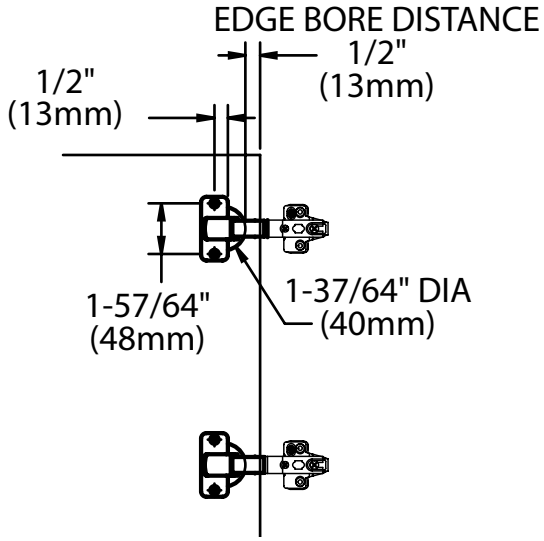


chart 1

Size	L	L/2*	Approx.Door Conceal**	Approx. Cabinet Depth***
12"	12-1/8"	-	8"	12-3/8"
13"	13-1/8"	-	9"	13-3/8"
14"	14-1/8"	-	10"	14-3/8"
15"	15-1/8"	-	11"	15-3/8"
16"	16-1/8"	-	12"	16-3/8"
18"	18-1/8"	-	14"	18-3/8"
20"	20-1/8"	-	16"	20-3/8"
22"	22-1/8"	-	18"	22-3/8"
24"	24-1/8"	-	20"	24-3/8"
26"	26-1/8"	13-1/16"	22"	26-3/8"
28"	28-1/8"	14-1/16"	24"	28-3/8"
30"	30-1/8"	15-1/16"	26"	30-3/8"

* Center mounting holes only on 26", 28", & 30" sizes
** Door fully retracted into case
*** Depth behind inside surface of closed door.

chart 2

Hinge Options	8080L
Hinge Description	Overlay Door
Door Thickness	3/4"
Edge Bore Distance*	1/2" (13mm)
Hinge Cup Bore Diameter	1-37/64" (40mm)
Hinge Cup Bore Depth	13.2mm
Overlay	Full

*Edge bore distances shown are approximate. Always bore a test block to verify hinge cup locations.

Accessories

Pinion Shaft Options	Description	Pack Qty
8092SB EB 36	Pinion Shaft 36" Ebony Black	2
8092SB EB 48	Pinion Shaft 48" Ebony Black	2
8092SB EB 72	Pinion Shaft 72" Ebony Black	2
8090B EB 36	Pinion Shaft 36" Ebony Black	10
8090B EB 48	Pinion Shaft 48" Ebony Black	10
8090B EB 72	Pinion Shaft 72" Ebony Black	10

Cabinet Roller	Description	Poly Pack Qty	Master Carton Qty.
8090P CR	Panel Door Cabinet Roller	1 ea.	20 ea.

Knape & Vogt Limited Lifetime Warranty For Commercial Products - USA

This warranty is given to the initial purchaser of new commercial products purchased from Knape & Vogt Manufacturing Company and its subsidiaries. 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 Limited Lifetime 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.

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KV KNAPE & VOGT

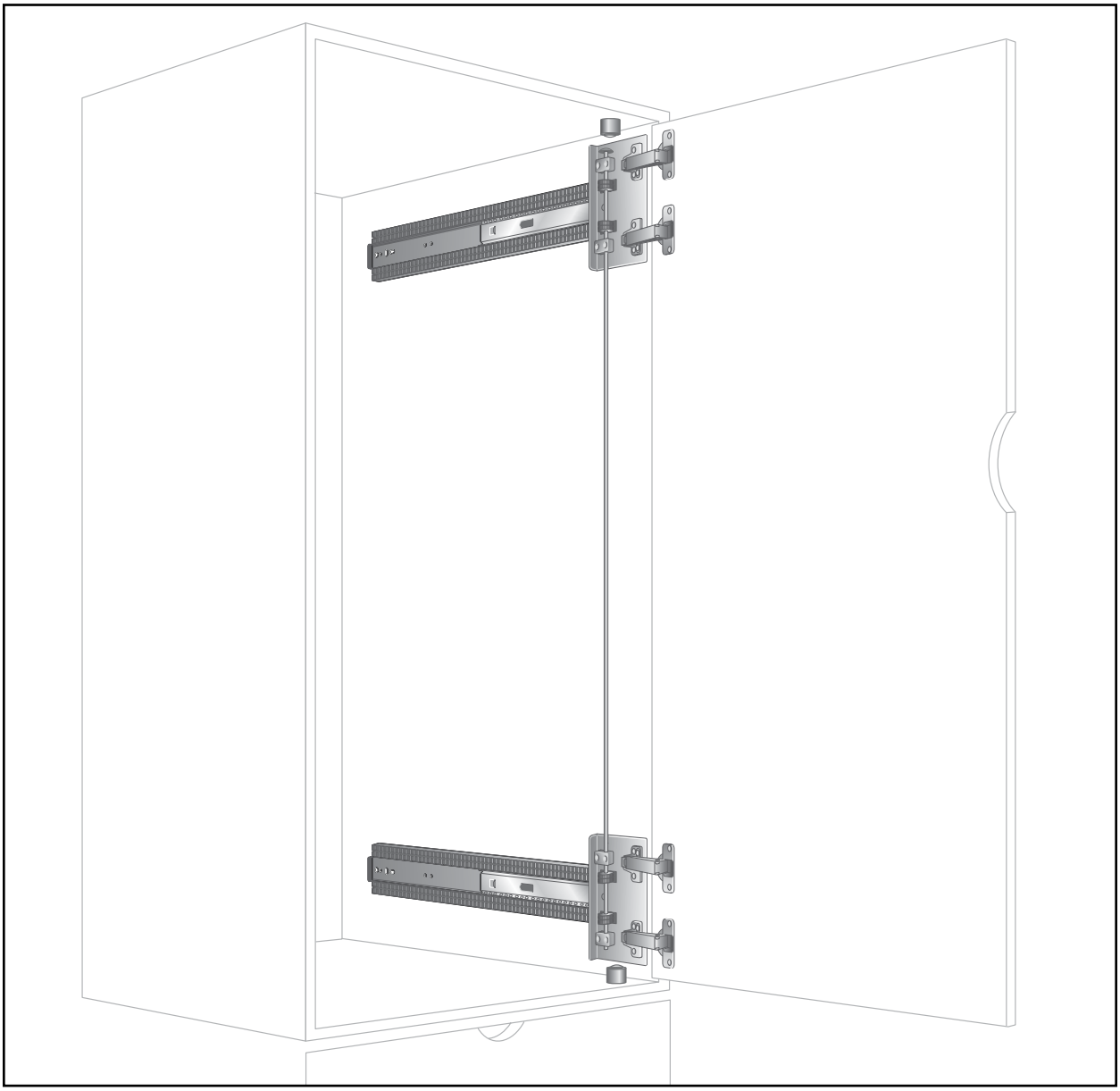
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www.kv.com

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Patents Pending

KV 8090 Series

4x4 Pocket Door™ Slide



SPECIFICATIONS:

- 75-pound maximum per door.
- Designed to mount to side of case for vertical pocket doors.
- Maximum door dimension of 26˝ x 72˝.
- Not recommended for square doors or where door width is greater than door height.
- Self-closing three-way adjustable geometric door hinge with single lever disconnect feature.
- Precision steel ball bearings.
- Ebony Black electro zinc-plated lacquer finish.

Installation Instructions for KV 8090 Series Pivot Door Slides

READ INSTRUCTIONS FIRST!

These instructions show how to install the KV 8090 Series Pivot Door Slide. Please note that improper installation may void the Knape & Vogt Limited Lifetime Warranty. To install the slides correctly, follow the enclosed instructions, use only KV hardware and make no modifications. If you have questions or need additional information, please contact Knape & Vogt customer service.

Typical Application

- Obtain appropriate hinge based on door thickness and operational requirements.
- Recommended maximum door dimension: 26˝wide x 72˝high. For some types of door construction where door center bow may be an issue, a third slide may be used **(see fig. 11)**.
- Use recommended KV#8090P CR roller for panel door construction.
- Recommended maximum door weight: 75 lbs.
- Designed to be used on vertical doors only.

Step 1. Size the cabinet door

For typical inset door applications, the cabinet door should be sized to allow for 1/8" top and bottom vertical gap.

Step 2. Install hinge cups in cabinet door

Determine location of hinge hole centers. Layout the door cup holes from the top and bottom edges of the door, 2-3/4" from door edge to first hinge cup centerline and 3-3/4"from the centerline of the first hole to the centerline of the second inboard hole. Bore four holes at back inside edge of door following chart recommendations (**chart 2**) for bore diameter and edgebore distance based on hinge being used. **Always bore on a test block first to verify hinge cup locations.** Install hinges in door.

Step 3. Position slide channels inside case

- Locate the centerlines of the top and bottom slides 4-3/4" from the inside top and bottom surfaces of the case. Set back the slides from the front edge of the case the door thickness plus 1/4" (for inset door applications).
- Position the slide channels into the molded rack using the indexing pin on the back of the molded rack through the 1/4" dia. hole on the rear of the slide channel **(fig. 3)**. Confirm that the slide assemblies are parallel to case edge and then mount the assemblies to the case side by driving screws through the slide assembly.
- A mounting screw must always be used in the front most slide hole (**fig. 4)**
- For face frame applications, the slide must be blocked out so that it is flush with the edge of the frame **(fig. 10)**. The blocking should be cut to a width of 2-3/4", and a length that matches the length of the slide for proper slide support.

Step 4 Prepare pinion shaft and gear assembly

Cut the pinion shaft to 4" less than the overall cabinet opening height**. The shaft end must be clean and deburred to allow the hardware to slide on.** Pre-assemble a pair of pinion gears, pillow blocks and bushings to the top and bottom of the shaft making certain that the gears are assembled with the marking labeled "**This side up**" facing upward. Insert the pillow block attachment screws into the pillow block to hold the pillow block and bushing assemblies together and then attach the locking cap to the top of the pinion shaft. **(fig. 5)**

Step 5 Install pinion gear assembly to slides

Pull the slide hinge brackets to the front of the cabinet so that they are in the locked or detent-out position. Attach the pinion shaft assembly to the slides making sure that the teeth in the gear assemblies line up properly with the teeth in the rack assembly. Tighten the pillow block attachment screws but to do not overtighten. **(fig. 6)**

Step 6 Hang door and adjust hinges as required

Install hinged cabinet door to slide assembly in case. For installation ease, each hinge pair must be aligned together to the mating hinge bases and locked down simultanously. Slowly open and close the door checking for proper operation and door alignment.

- Hinge screws will allow for adjustment of the door in all three directions. **(fig 7)**
- **Horizontal** adjustment screw–adjusts door side gap clearance. **Do not over adjust–this screw MUST NOT be tight.**
- **Depth** adjustment screw–adjusts door face in and out (flush with case edge). **Screw must be tight**.
- **Vertical** adjustment screw–adjusts door up and down (top and bottom gap clearance). **Screw must be tight.**

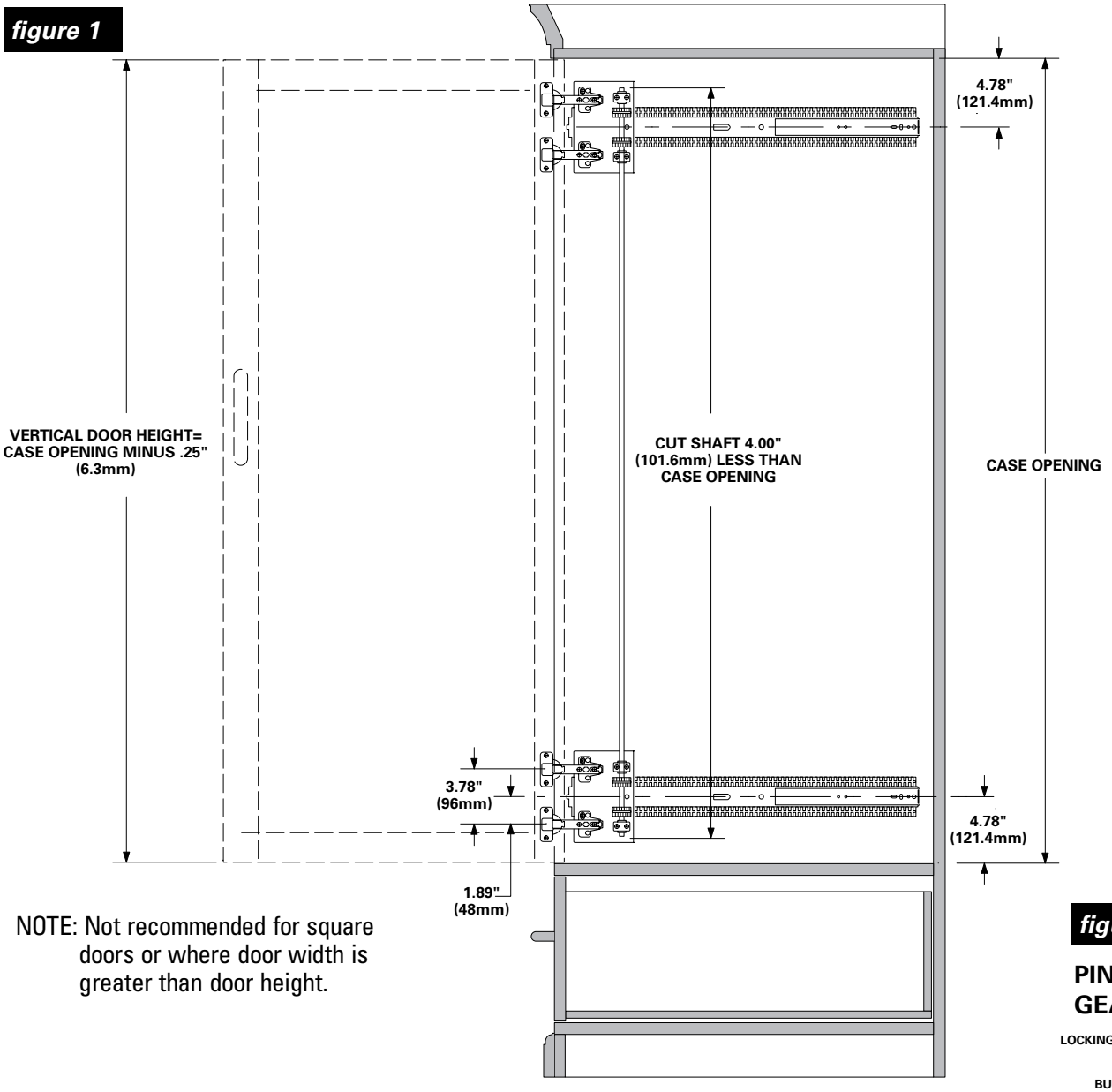
Step 7 Install guide rollers

Proper operation requires precise roller location – drill pilot hole for screw located from case edges as shown **(fig. 8)**.

- Secure top and bottom guide rollers using flat-head wood screws supplied. Tighten screws firmly.

IMPORTANT:
Roller assembly should not bind on door. Always install the 8090 Pivot Door slide using top and bottom guide rollers provided with slide. If roller is missing or lost, contact KV customer service for replacement – DO NOT substitute other rollers. When improperly installed, the slides could be damaged. Locate the rollers as shown.

figure 1



NOTE: Not recommended for square doors or where door width is greater than door height.

figure 2

DOOR PREPARATION

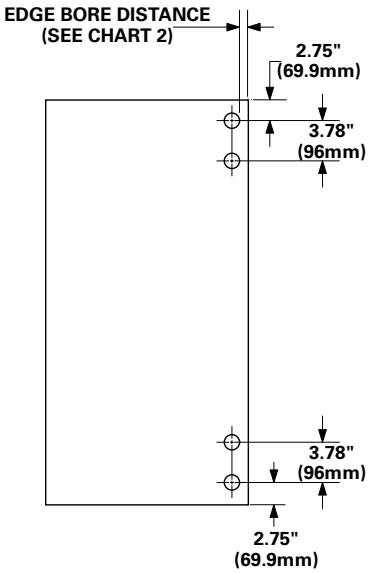


figure 3

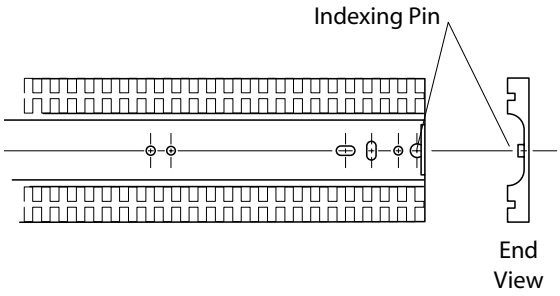


figure 4

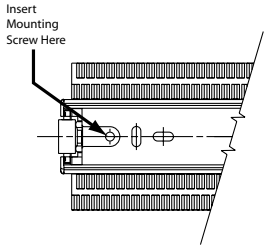


figure 5

PINION SHAFT GEAR ASSEMBLY

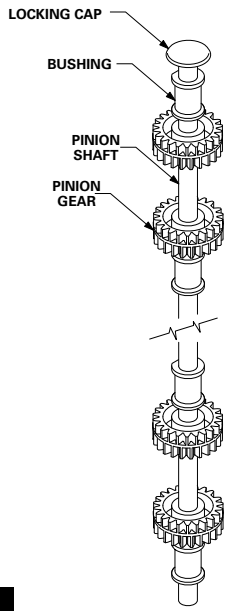


figure 6

PINION GEAR ASSEMBLY

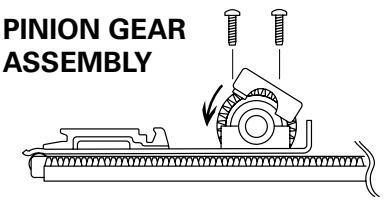


figure 7 HINGE ADJUSTMENT

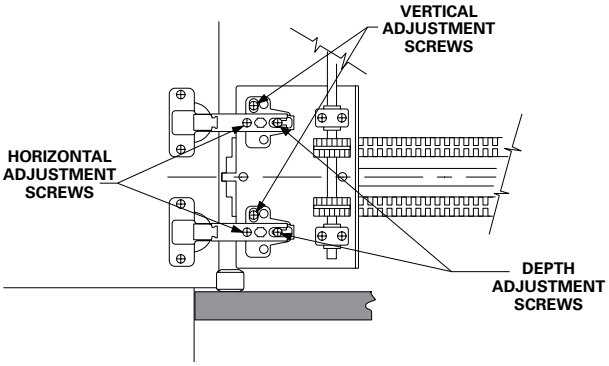
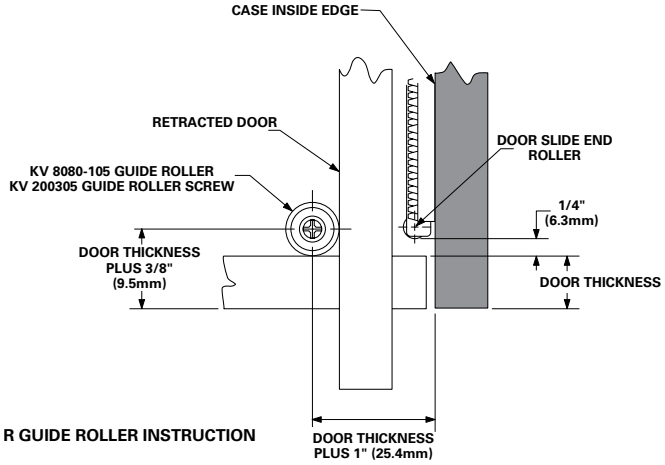
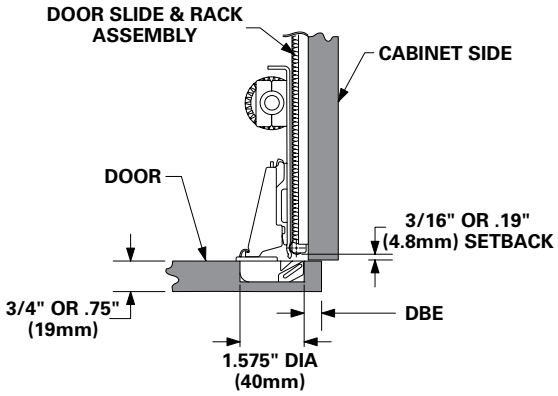


figure 8 DOOR GUIDE ROLLER INSTALLATION



R GUIDE ROLLER INSTRUCTION

figure 9



Overlay Door Installation with 8080L Hinge
(3/4˝ Thick Doors Only)

Same as standard installation except for slide placement (set back) from front edge of case.

figure 10 TYPICAL FACE FRAME W/ 3/4" THICK INSET DOOR

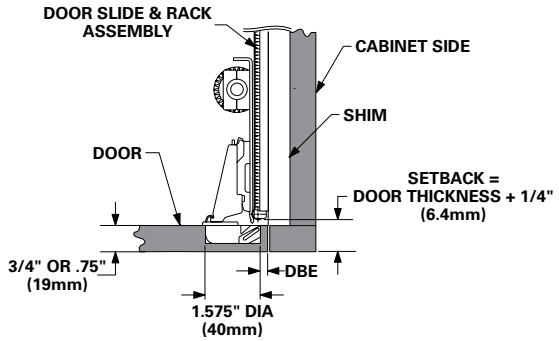


figure 11

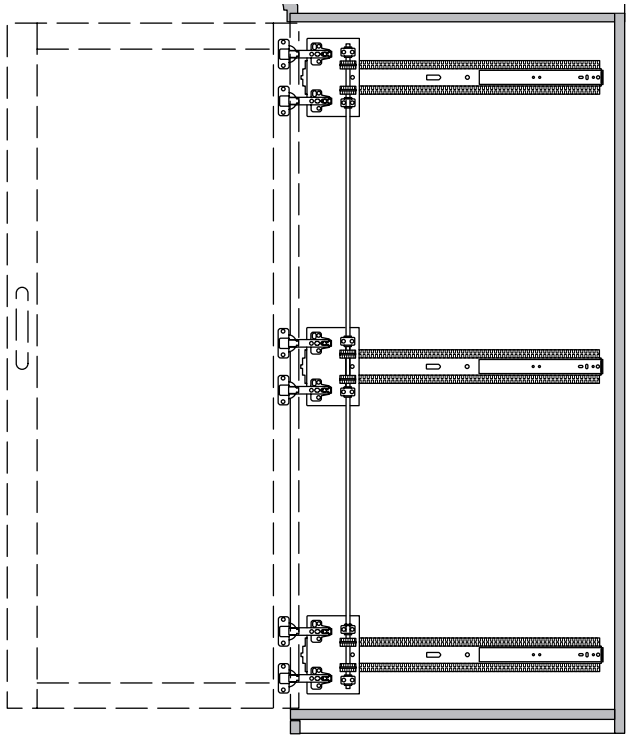


figure 12

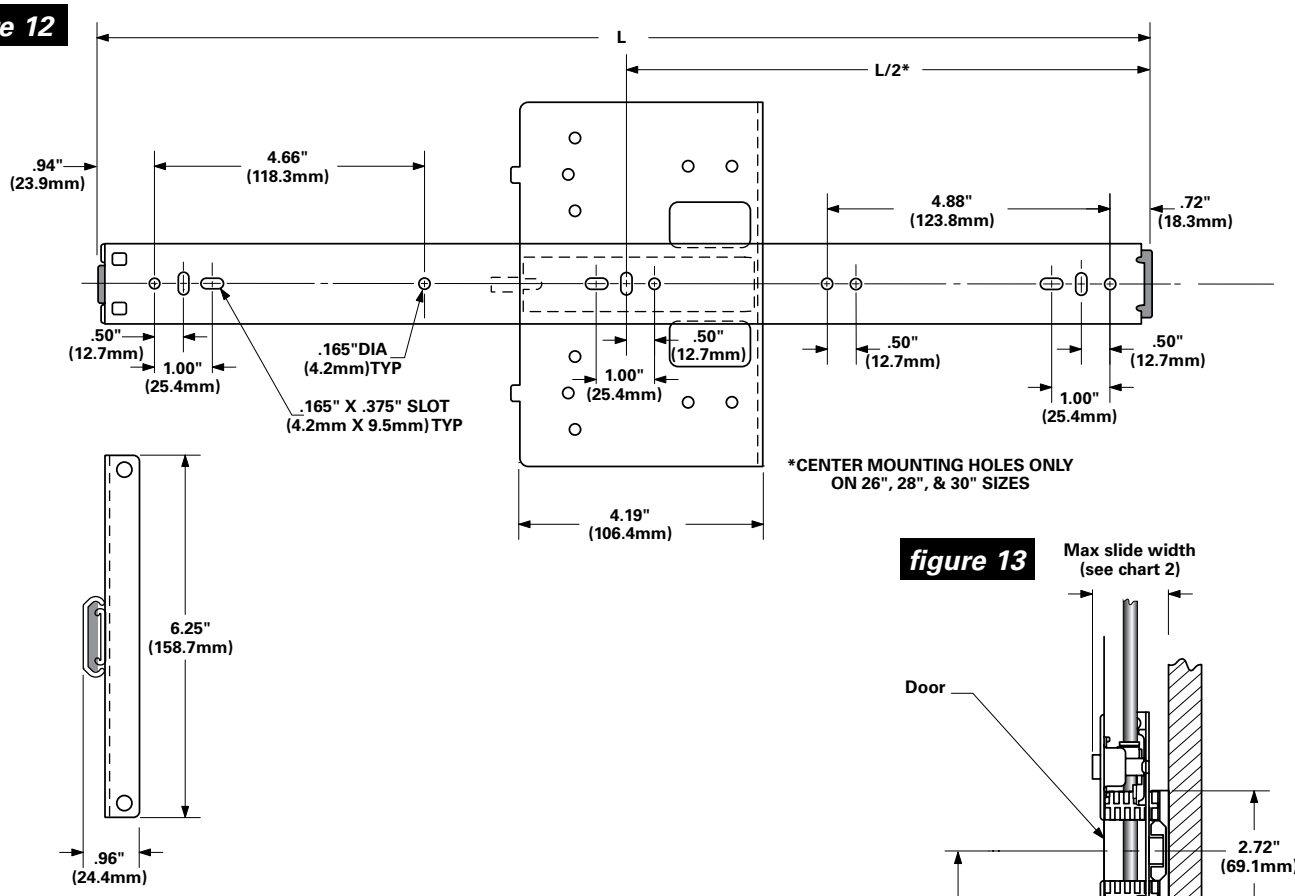


figure 13

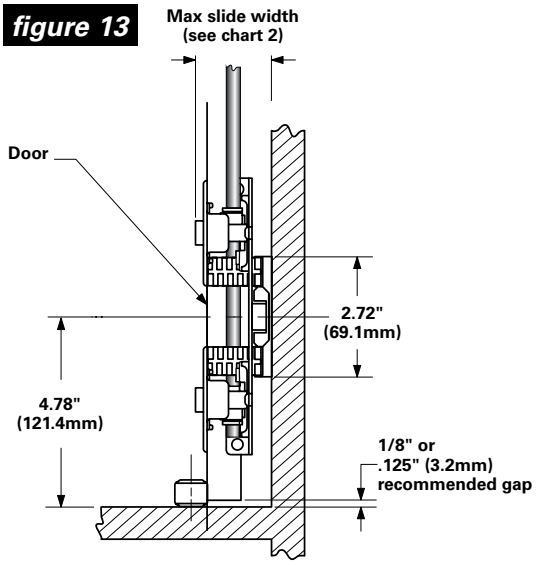


chart 1

Size	L	L/2*	Approx. Door Conceal**	Approx. Cabinet Depth***
12″	12-1/8″	-	8″	12-3/8″
13″	13-1/8″	-	9″	13-3/8″
14″	14-1/8″	-	10″	14-3/8″
15″	15-1/8″	-	11″	15-3/8″
16″	16-1/8″	-	12″	16-3/8″
18″	18-1/8″	-	14″	18-3/8″
20″	20-1/8″	-	16″	20-3/8″
22″	22-1/8″	-	18″	22-3/8″
24″	24-1/8″	-	20″	24-3/8″
26″	26-1/8″	13-1/16″	22″	26-3/8″
28″	28-1/8″	14-1/16″	24″	28-3/8″
30″	30-1/8″	15-1/16″	26″	30-3/8″

* Center mounting holes only on 26″, 28″, & 30″ sizes
** Door fully retracted into case
*** Add thickness of door to determine minimum

figure 14

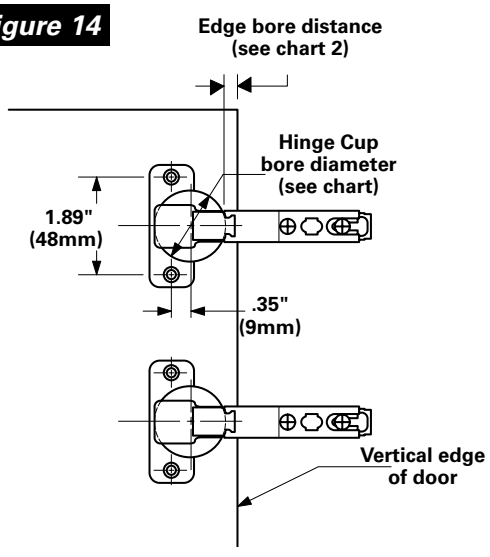


chart 2

Hinge Options	Hinge Description	Door Thickness	Edge Bore* Distance	Hinge Cup Bore Dia.	Hinge Cup Bore Depth	Maximum Slide Width Including Hinge For Partition Installations	Partial Overlay
8080	Standard Hinge	3/4″ (19mm)	1/4″ (6mm)	1-3/8″ (35mm)	11.8 mm	1-25/32″ (45.2mm)	N/A
8080FS	Standard Hinge w/Free Swing Knuckle	3/4″ (19mm)	1/4″ (6mm)	1-3/8″ (35mm)	11.8 mm	1-25/32″ (45.2mm)	N/A
8080L	Overlay Door	3/4″ (19mm)	3/8″ (9.5mm)	1-37/64″ (40mm)	13.2 mm	1-25/32″ (45.2mm)	1/4″ (6.3mm)
8085	Thick Door	1″ (25.4mm)	5/16″ (8mm)	1-37/64″ (40mm)	13.2 mm	2-5/32″ (54.8mm)	N/A
8086	Extra Thick Door	1-1/4″ (32mm)	1/2″ (12.7mm)	1-37/64″ (40mm)	13.2 mm	2-15/32″ (61.9mm)	N/A

*Edge bore distances shown are approximate. Always bore a test block to verify hinge cup locations.

Accessories

Hinge Options	Hinge Description	Hinge Kits (2 hinges w/screws)	Hinge Pack (40 hinges w/o screws)
8080	Standard Hinge	8080 HKEZSEB	8080 HPEZSEB
8080FS	Standard Hinge w/Free Swing Knuckle	8080 HKEZFEB	8080 HPEZFEB
8080L	Overlay Door	8080 HKEZLEB	8080 HPEZLEB
8085	Thick Door	8085 HKEZTEB	8085 HPEZTEB
8086	Extra Thick Door	8086 HKEZXEB	8086 HPEZXEB

Pinion Shaft Options	Description	Pack Qty
8092SB EB 36	Pinion Shaft 36" Ebony Black	2
8092SB EB 48	Pinion Shaft 48" Ebony Black	2
8092SB EB 72	Pinion Shaft 72" Ebony Black	2

Cabinet Roller	Description	Poly Pack Qty	Master Carton Qty
8090P CR	Panel Door Cabinet Roller	1 ea.	20 ea.

Limited Lifetime Warranty

Knape & Vogt Manufacturing Company guarantees its drawer slides and builder's hardware products against failure or defects for so long as the purchaser or end user owns them. This warranty is void if any damage to the product is due to misuse, neglect, accident, improper installation or any uses contrary to the instructions accompanying the product. This warranty covers the cost of the defective part and not the cost of removal, installation or other incidental charges. The foregoing are the purchaser's exclusive remedies. Knape & Vogt Manufacturing Company assumes no liability for special or consequential damages.

Replacement product may be obtained by returning the product, transportation charges prepaid, together with a receipt of purchase or other documents acknowledging the sale of the product to the Knape & Vogt Manufacturing Company, Attention: Customer Service Department.

The warranty set forth above is in lieu of any other warranties, express or implied, including warranties of merchantability and fitness for use.

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