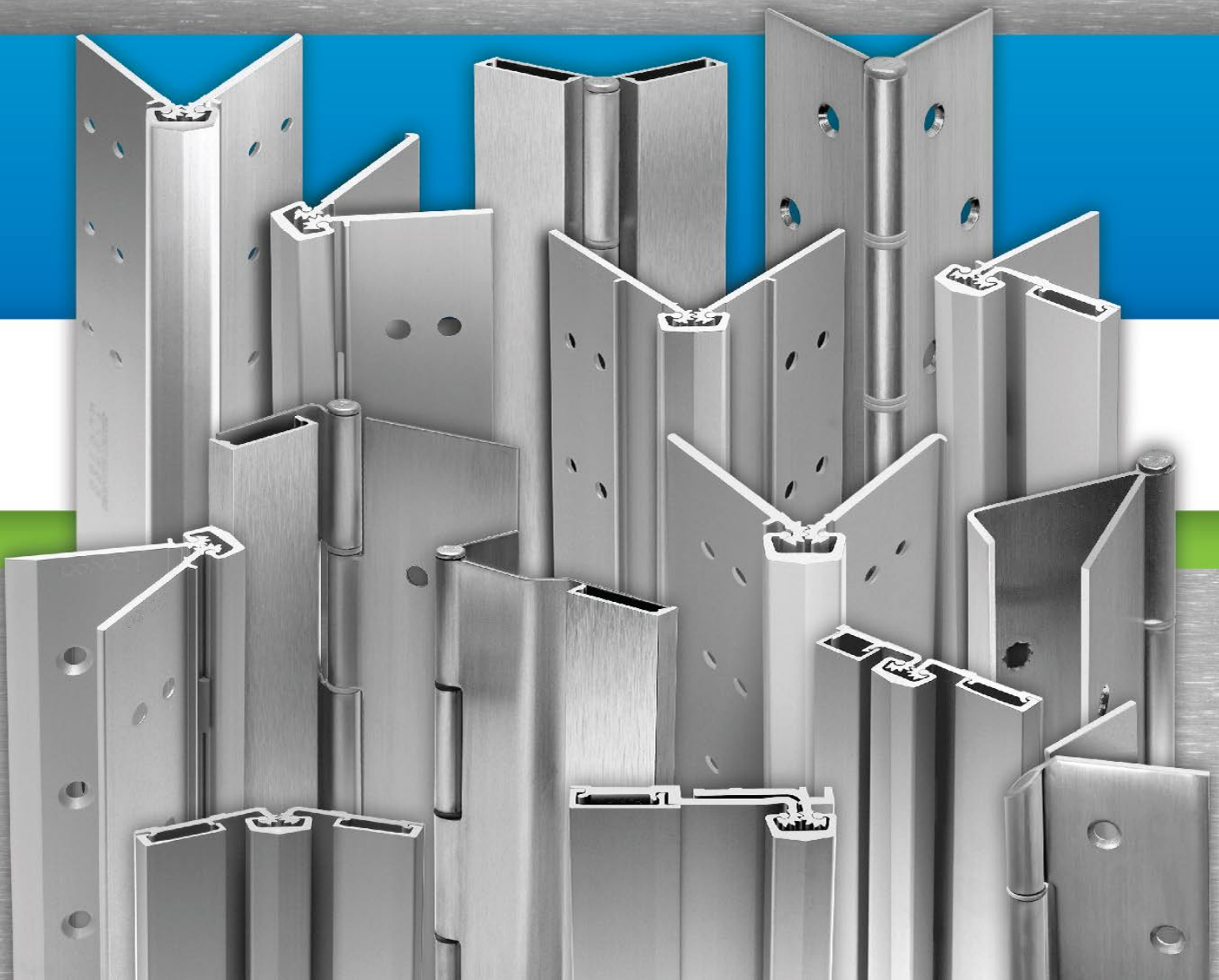




SELECT HINGES™

ALUMINUM GEARED CONTINUOUS HINGES
STAINLESS STEEL PIN & BARREL CONTINUOUS HINGES



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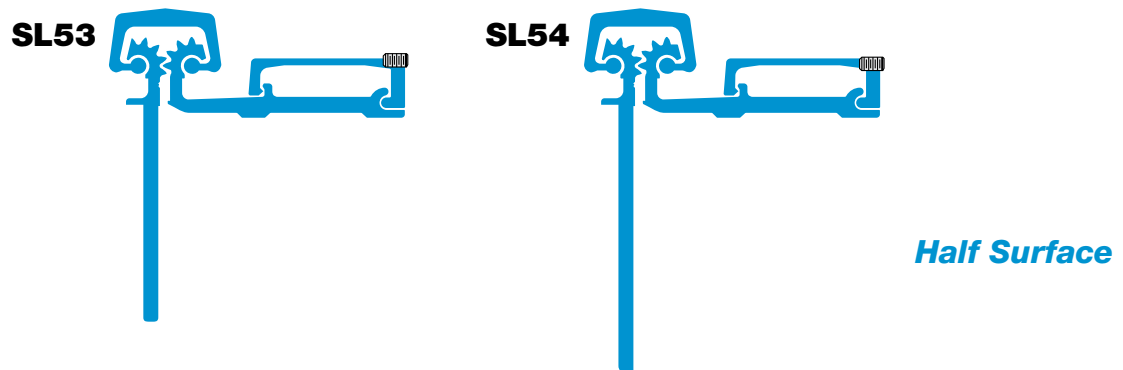
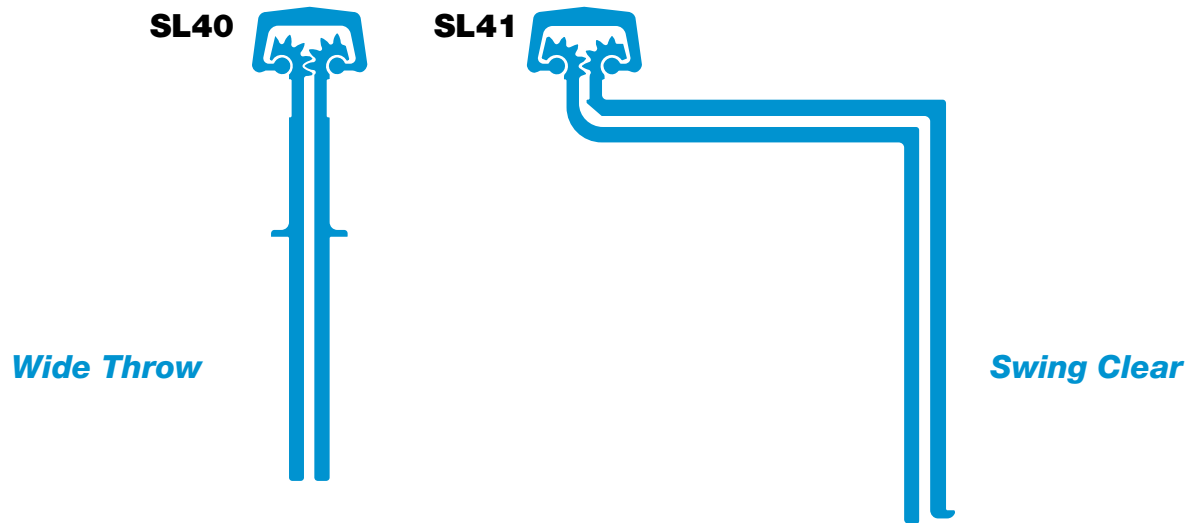
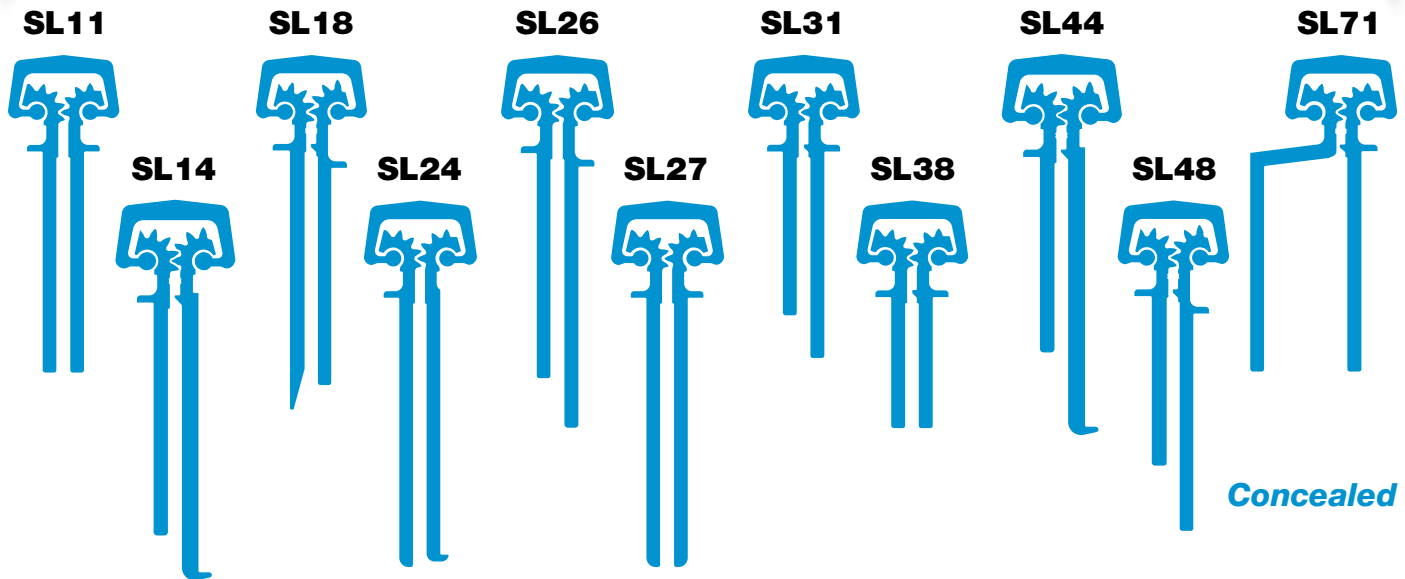
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Geared Continuous Hinges



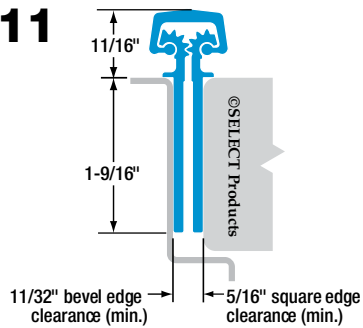
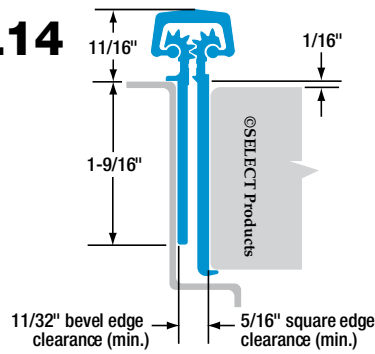
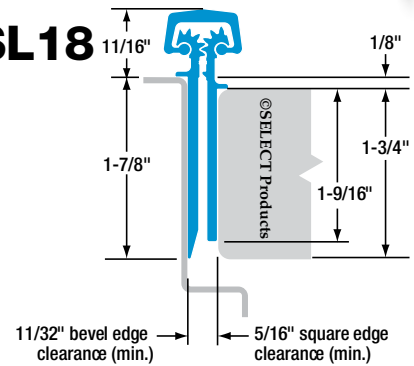
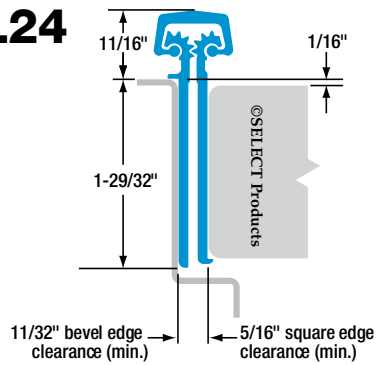
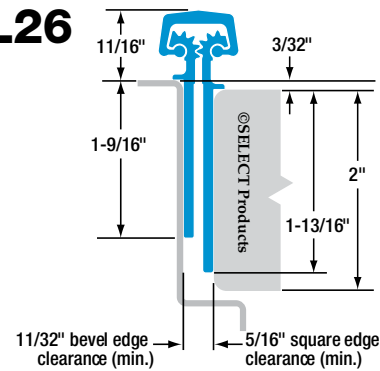
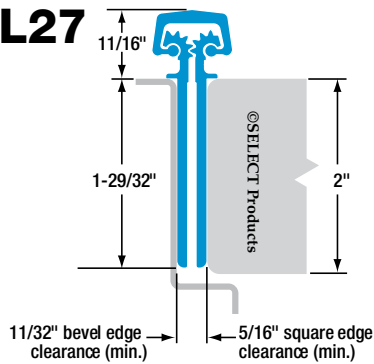
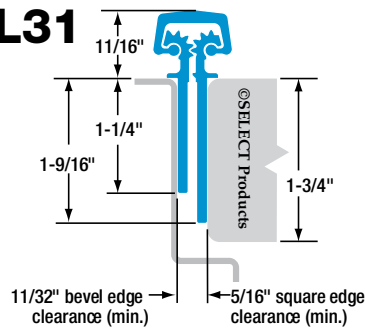
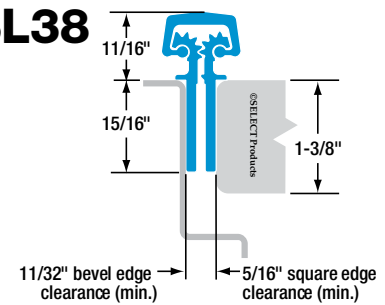
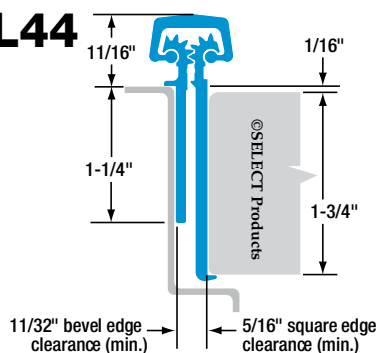
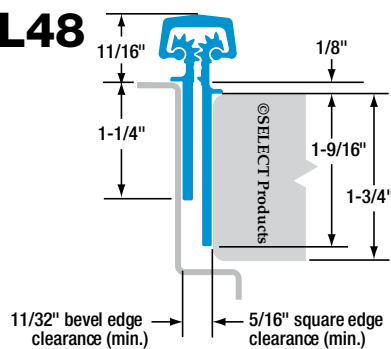
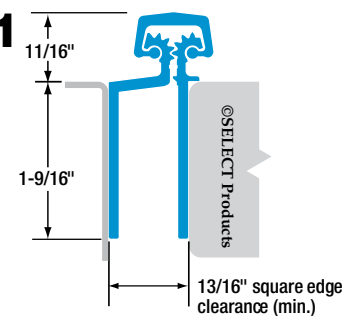
Geared Continuous Hinges



COMPARISON OF CONTINUOUS HINGE PRODUCT LINES

SELECT	ROTON	PEMKO	MCKINNEY	STANLEY	ABH	PBB	IVES
		(PEMKO)					
SL11 SD	780-112	FMSLF/KFM	MCK12	661			
SL11 HD	780-112HD	FMSLFHD/KFMHD	MCK12HD	661HD	A110HD	CH31L	112HD
SL11 LL	780-112LL				A110LL	CH31LL	
SL14 SD							
SL14 HD							
SL18 SD	780-111	FMSLI	MCK14				
SL18 HD	780-111HD	FMSLIHD	MCK14HD				
SL18 LL	780-111LL						
SL21 SD	780-210	FS	MCK22	665			
SL21 HD	780-210HD	FSHD	MCK22HD	665HD	A210HD	CH33SC	210HD
SL24 SD	780-224	FM	MCK25	662			
SL24 HD	780-224HD	FMHD	MCK25HD	662HD	A240HD	CH31	224HD
SL24 LL	780-224LL				A2400LL	CH31LL	
SL26 LL					A260LL	CH31HD	
SL27 LL	780-226HD				A270LL	CH31L2LL	
SL31 HD		SPFMSLF					
SL38 SD	780-110						
SL40 HD	780-235HD	WTFMHD	MCKWTHD				
SL41 HD	780-041HD				A410HD	CH31SC	
SL41 LL	780-041LL				A410LL	CH31SCLL	
SL44 HD		SPFM					
SL48 HD		SPFMSLI					
SL53 HD	780-053HD				A530HD	CH3453	
SL54 HD	780-054HD	HSHD	MCK54HD	663HD	A540HD	CH3454	
SL57 SD	780-157	FSCP	MCK58	664*			
SL57 HD	780-157HD	FSCPHD	MCK58HD	664HD	A570HD	CH33NF	157HD
SL71 HD	780-113HD*	FMSLISFHD*			A130HD*		

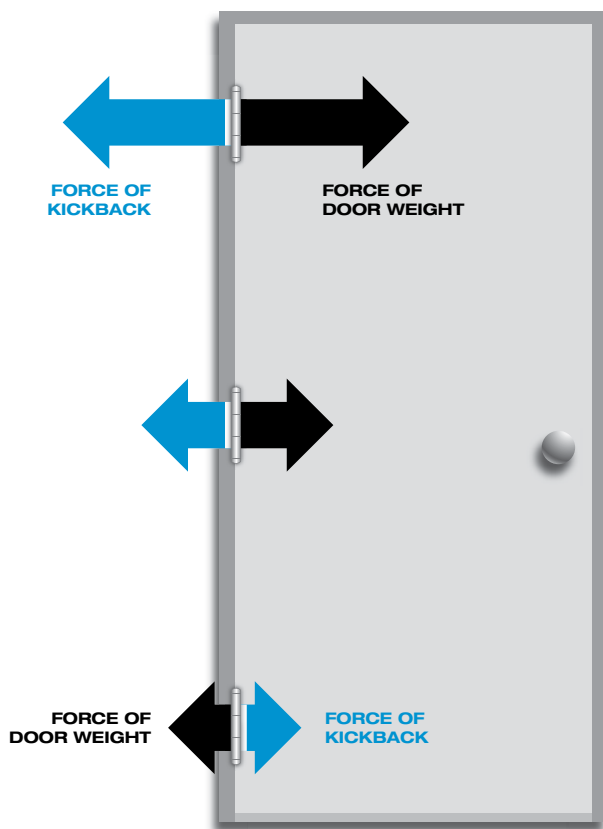
* Not equivalent hinge but possible SELECT hinge substitution depending on application.

SL11

SL14

SL18

SL24

SL26

SL27

SL31

SL38

SL44

SL48

SL71


Concealed Geared Continuous Hinges

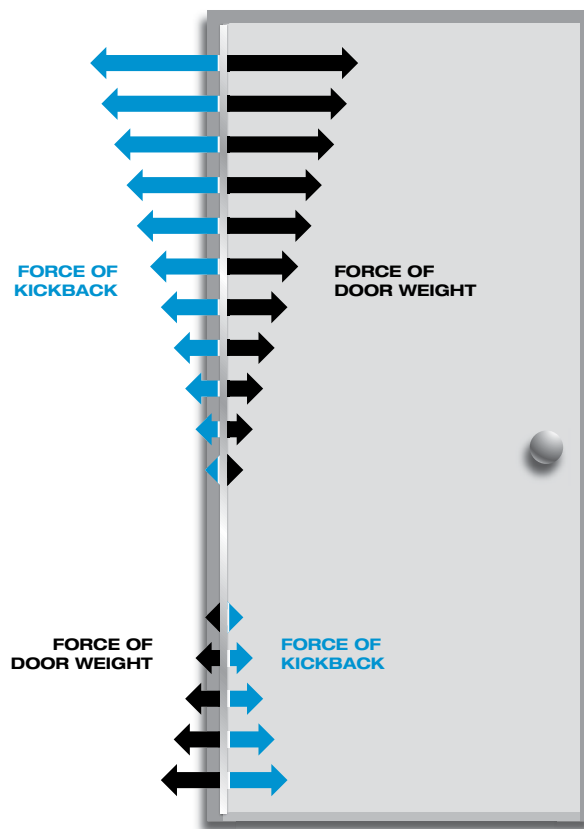


Hinge failure is the most common cause of entrance failure. The revolutionary SELECT geared continuous hinge puts an end to costly and frustrating hinge failure problems.



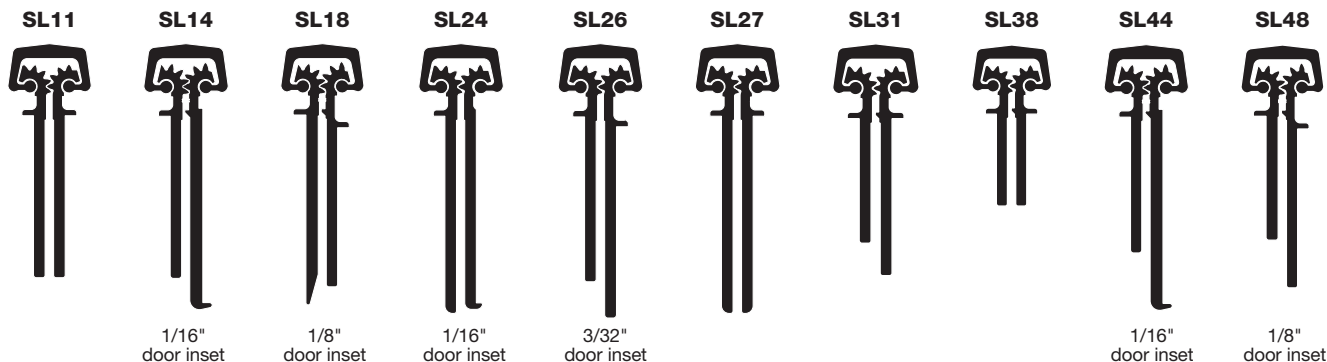
Conventional butt hinges

On conventional hinges, opening and "kickback" energy from closers and automatic operators concentrates on the top butt hinge. This force works against the top hinge, eventually forcing it apart or pulling it from the frame/door.



Continuous hinges

SELECT continuous hinges unite the door and frame into an integrated, sag-free unit. "Kickback" energy dissipates along the entire length of the door and frame and prevents hinge failure.



Calculating Required Door Clearances

For Square and Beveled-Edge Doors

IMPORTANT: All standard length SELECT hinges are supplied slightly shorter than nominal door height to avoid threshold or flooring clearance problems.

IMPORTANT: All uncut concealed hinges are non-handed and templated. Models SL11, SL27 and SL38 remain non-handed after cutting. All other concealed hinges become handed after cutting.

IMPORTANT: Refer to NFPA 80 manual for clearance requirements on fire-rated entrances.

SINGLE DOOR: Square Edge

Hinge side clearance	5/16"
Latch side clearance	1/8"
Frame variance clearance	1/32"

Total Width Clearance 15/32"

To determine door width:

Subtract the Total Width Clearance from the width of the frame opening.

SINGLE DOOR: Beveled Edge

Hinge side clearance	5/16"
Latch side clearance	1/8"
Frame variance clearance	1/32"
Beveled edge clearance	1/32"

Total Width Clearance 1/2"

To determine door width:

Subtract the Total Width Clearance from the width of the frame opening.

DOUBLE DOORS (PAIR): Square Edge

Hinge side clearance	5/8" (5/16" x 2)
Latch side clearance	3/16"
Frame variance clearance	1/16" (1/32" x 2)

Total Width Clearance 7/8"

To determine door width:

Subtract the Total Width Clearance from the width of the frame opening; divide the result by 2.

DOUBLE DOORS (PAIR): Beveled Edge

Hinge side clearance	5/8" (5/16" x 2)
Latch side clearance	3/16"
Frame variance clearance	1/16" (1/32" x 2)
Beveled edge clearance	1/16"

Total Width Clearance 15/16"

To determine door width:

Subtract the Total Width Clearance from the width of the frame opening; divide the result by 2.

NOTE: For double-door entrances with a mullion between the pair of doors, calculate each door width using the Single Door clearances. For double-door entrances with a mullion behind the pair of doors, calculate each door width using the Double Doors clearances.

Tools Needed

- Metal-cutting saw
- Tape measure
- #13 or 3/16" drill bit
- 5/32" drill bit (wood frames/doors)
- #3 Phillips drive
- Shims

Parts Supplied

- #12-24 self-drilling, thread-forming (SDTF) 410 SS Phillips undercut flathead screws

Optional Parts

- #12 410 SS Phillips undercut flathead wood screws
- #12-24 thread-forming (TF) 410 SS Phillips undercut flathead screws
- Protective gloves are recommended

How to Cut the Hinge to Fit

- A. Keep hinge in "door closed" position (Fig. 1).
- B. Determine whether this will be a right-hand or left-hand installation.

IMPORTANT: Cut only one end of hinge. Cut end will be installed at the bottom. Keep original templated six-hole pattern at top end of hinge.

NOTE: SL11, SL27 and SL38 are non-handed and remain non-handed after cutting.

- C. Using a metal-cutting saw, begin the cut through the gear cap first.

NOTE: DO NOT cut through a set screw bearing.

- D. Reinstall any set screw bearing that may have been cut off.

A. Prepare Frame

1. Shim hinge to 1/8" below the header to allow for door clearance.
2. Hold hinge in "door open" position (Fig. 2), making sure frame leaf alignment flange is tight against frame face.
3. Mark (or centerpunch) hole locations.

NOTE: TF screws and wood screws require pilot holes at marked locations. SDTF screws do not require pilot holes.

4. If using SDTF screws, go to Step 5. If using TF or wood screws, drill holes at marked locations. DO NOT attach hinge to the frame at this time.

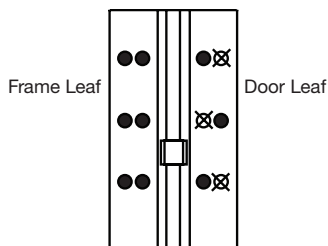
- Metal frame: Use #13 (.185") bit or 3/16" (.188") bit
- Wood frame: Use 5/32" (.156") bit

B. Attach Door to Hinge

5. Align the door leaf alignment flange or the door leaf lip along full length of door edge (even if door is slightly warped).

IMPORTANT: Top end of the hinge must be flush with the top of the door.

IMPORTANT: If installing hinge on a 90-minute fire-rated wood door, mark or centerpunch only one hole in each pair of holes at the top and bottom of the door leaf. DO NOT install remaining screws in the six-hole pattern on the door leaf. See illustration below.



6. Mark (or centerpunch) holes. If using SDTF screws, go to Step 7. If using TF or wood screws, drill holes at marked locations.

- Metal door: Use #13 (.185") bit or 3/16" (.188") bit
- Wood door: Use 5/32" (.156") bit

7. Fasten door leaf to door using #3 Phillips drive and fasteners provided.

C. Attach Door to Frame

8. Position door at 90 degrees to the frame. Shim door to the proper height so the door aligns with the top screw holes.
9. Install two screws at the top of hinge. Remove shim and align remaining holes. Install screws in middle and bottom two holes.
10. Check door for proper swing and clearance before installing remaining screws.

Reinforcing & Rivnuts®

No hinge reinforcement is necessary except on extremely high-frequency, extremely heavy or extra-wide doors. Rivnuts are recommended for use in the frame when the door exceeds 450 lb. (max. 600 lb.).

NOTE: Only SELECT steel Rivnuts are to be used with fire-rated SELECT hinges.

Grouted/Slushed-in Frames

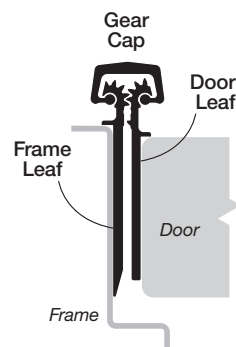
For ease of installation, it is recommended some sort of mudguard be installed behind the frame. Do not use self-drilling, thread-forming (SDTF) screws to drill into grouted frames. If mudguards have not been used, carefully drill pilot holes through frame and remove grout for screw clearance. Do not oversize holes in frame.

Fire-Rated Hinges

All stock SELECT hinges are 90-minute UL-rated, without pins. Please contact SELECT for complete information about its fire-rated hinges.

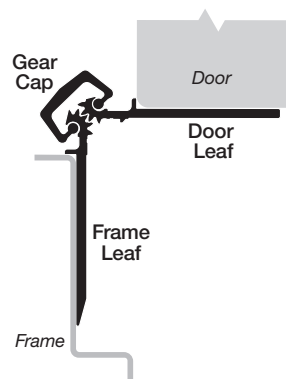


Fig. 1 Door Closed Position



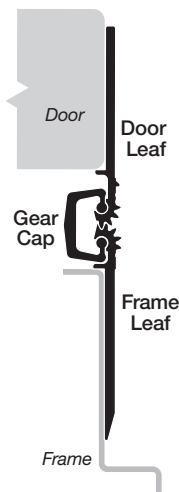
Model SL18 shown

Fig. 2 Door Open 90°



Model SL18 shown

Fig. 3 Door Open 180°



Model SL18 shown

Charnelas continuas encerradas con engranajes

SL11



SL14


1/16"
Holgura de
puerta

SL18


1/8"
Holgura de
puerta

SL24


1/16"
Holgura de
puerta

SL26


3/32"
Holgura de
puerta

SL27



SL31



SL38



SL44


1/16"
Holgura de
puerta

SL48


1/8"
Holgura de
puerta

Cálculo de las tolerancias requeridas para la puerta

Para puertas cuadradas y canteadas en bisel

IMPORTANTE: Todas las charnelas SELECT de longitud estándar se suministran un poco más cortas que la altura nominal de la puerta, para evitar problemas de tolerancia en el umbral o el piso.

IMPORTANTE: Todas las charnelas encerradas sin cortar son para diestros o zurdos y están templadas. Los modelos SL11, SL27 y SL38 permanecen para diestros o zurdos después de cortarse. Todas las otras charnelas encerradas son para diestros después del corte.

IMPORTANTE: Consulte el manual NFPA 80 para requisitos de tolerancia para entradas clasificadas como resistentes al fuego.

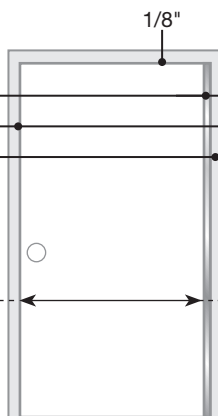
UNA SOLA PUERTA: Borde cuadrado

Tolerancia lateral de la charnela	5/16"
Tolerancia lateral del cerrojo	1/8"
Tolerancia de variación del marco	1/32"

Tolerancia de ancho total 15/32"

Para determinar el ancho de la puerta:

Reste la tolerancia de ancho total del ancho de la abertura del marco.



UNA SOLA PUERTA: Canteado en bisel

Tolerancia lateral de la charnela	5/16"
Tolerancia lateral del cerrojo	1/8"
Tolerancia de variación del marco	1/32"
Tolerancia del canteado en bisel	1/32"

Tolerancia de ancho total 1/2"

Para determinar el ancho de la puerta:

Reste la tolerancia de ancho total del ancho de la abertura del marco.

Información importante sobre la garantía:

Las siguientes acciones anularán cualquier garantía, expresa o implícita:

- El no instalar la bisagra según las especificaciones y los requisitos del fabricante. (Para obtener más información, visite selecthingerequirements.com.)
- Uso de sujetadores que no sean los que se suministran con la charnela.
- Modificaciones de campo no autorizadas, incluyendo la alteración o eliminación del lubricante aplicado de fábrica, alterar el acabado original o pintar la charnela.

PUERTAS DOBLES (PAR):

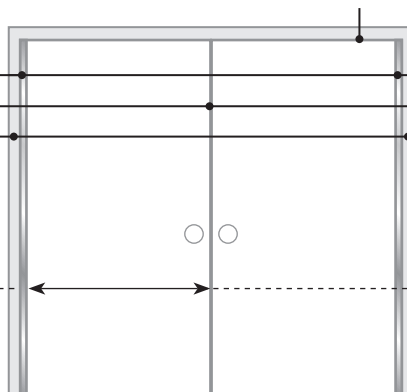
Borde cuadrado

Tolerancia lateral de la charnela	5/8" (5/16" x 2)
Tolerancia lateral del cerrojo	3/16"
Tolerancia de variación del marco	1/16" (1/32" x 2)

Tolerancia de ancho total 7/8"

Para determinar el ancho de la puerta:

Reste la tolerancia de ancho total del ancho de la abertura del marco; divida el resultado entre 2.



PUERTAS DOBLES (PAR):

Borde cuadrado

Tolerancia lateral de la charnela	5/8" (5/16" x 2)
Tolerancia lateral del cerrojo	3/16"
Tolerancia de variación del marco	1/16" (1/32" x 2)
Tolerancia del canteado en bisel	1/16"

Tolerancia de ancho total 15/16"

Para determinar el ancho de la puerta:

Reste la tolerancia de ancho total del ancho de la abertura del marco; divida el resultado entre 2.

NOTA: Para entradas de puertas dobles con entreventana entre las dos puertas, calcule el ancho de cada puerta usando las tolerancias para una sola puerta. Para entradas de puertas dobles con entreventana detrás de las dos puertas, calcule el ancho de cada puerta usando las tolerancias para puertas dobles.

Herramientas necesarias

- Sierra para cortar metal
- Cinta para medir
- Broca N° 13 o de 3/16"
- Broca de 5/32" (marcos/puertas de madera)
- Destornillador Phillips N° 3
- Cuñas

Piezas suministradas

- 24 tornillos roscadores autorroscantes (SDTF) de cabeza plana Phillips sesgada N° 12 de acero inoxidable 410

Piezas opcionales

- Tornillos de cabeza plana sesgada para madera Phillips N° 12 de acero inoxidable 410
- 24 tornillos roscadores (TF) de cabeza plana Phillips sesgada N° 12 de acero inoxidable 410
- Se recomienda el uso de guantes protectores
- Se recomienda el uso de guantes protectores

Cómo cortar la charnela para que quepa

- Mantenga la charnela en la posición de "puerta cerrada" (Fig. 1).
- Determine si ésta será una instalación para diestros o zurdos.

IMPORTANTE: Corte solamente un extremo de la charnela.

El extremo cortado se instalará en la parte inferior. Guarde el patrón de templado original de seis orificios en el extremo superior de la charnela.

NOTA: SL11, SL27 y SL38 son para diestros o zurdos y permanecen para diestros o zurdos después de cortarse.

- Usando una sierra para cortar metal, comience a cortar primero a través de la tapa del engranaje.

NOTA: NO corte por el rodamiento del tornillo de ajuste.

- Vuelva a colocar cualquier rodamiento del tornillo de ajuste que hubiera podido cortarse.

A. Preparación del marco

- Use cuñas para ubicar la charnela a 1/8" debajo del travesaño para permitir tolerancia para la puerta.
- Sostenga la charnela en la posición de "puerta abierta" (Fig. 2) asegurando que el reborde de alineación de la hoja del marco esté ajustado contra la cara del marco.
- Marque (o punce) las ubicaciones de los orificios.

NOTA: Los tornillos roscadores (TF) y para madera necesitan orificios piloto en las ubicaciones marcadas. Los tornillos roscadores autorroscantes (SDTF) no necesitan orificios piloto.

- Si va a usar tornillos roscadores autorroscantes (SDTF), vaya al paso 5. Si va a usar tornillos roscadores (TF) o para madera, taladre orificios en los lugares marcados. NO fije aún la charnela al marco.

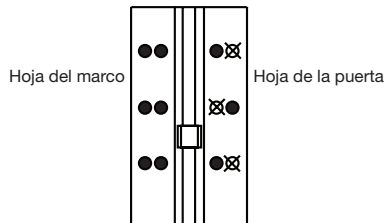
- Marco de metal: Use una broca N° 13 (0,185") ó de 3/16" (0,188")
- Marco de madera: Use una broca de 5/32" (0,156")

B. Fije la puerta a la charnela

- Alinee el reborde de alineación de la hoja de la puerta o el labio de la hoja de la puerta a lo largo de la longitud total del borde de la puerta (aun si la puerta está ligeramente combada).

IMPORTANTE: El extremo superior de la charnela debe estar alineado con la parte superior de la puerta.

IMPORTANTE: Si va a instalar la charnela sobre una puerta de madera clasificada como resistente al fuego por 90 minutos, marque o punce un solo orificio en cada par de orificios que esté en la parte superior e inferior de la hoja de la puerta. NO instale los tornillos restantes en los patrones de seis orificios en la hoja de la puerta. Vea la ilustración abajo.



- Marque (o punce) los orificios. Si va a usar tornillos roscadores autorroscantes SDTF, vaya al paso 7. Si va a usar tornillos roscadores (TF) o para madera, taladre orificios en los lugares marcados.

- Puerta de metal: Use una broca N° 13 (0,185") o de 3/16" (0,188")
- Puerta de madera: Use una broca de 5/32" (0,156")

- Sujete la hoja de la puerta a la puerta usando un destornillador Phillips N° 3 y los sujetadores provistos.

C. Sujete la puerta al marco

- Coloque la puerta a 90 grados respecto al marco. Coloque una cuña en la puerta a la altura apropiada de manera que la puerta se alinee con los orificios superiores de los tornillos.
- Instale dos tornillos en la parte superior de la charnela. Quite la cuña y alinee los orificios restantes. Introduzca los tornillos en los orificios del medio y los dos de la parte inferior.
- Verifique que la puerta gire y tenga la tolerancia adecuada antes de instalar los tornillos restantes.

Refuerzo y remaches Rivnuts®

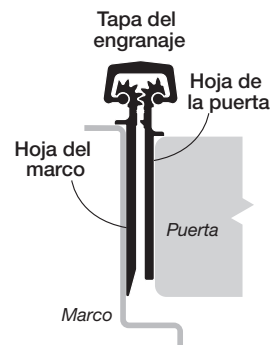
No es necesario ningún refuerzo para la charnela excepto si las puertas se usan con demasiada frecuencia, son extremadamente pesadas o son extra anchas. Se recomienda usar remaches Rivnuts en el marco cuando la puerta excede de 450 lb (máximo 600 lb).

NOTA: Solamente deben usarse remaches Rivnuts de acero SELECT con charnelas SELECT, clasificadas como resistentes al fuego.

Marcos empotrados en cemento

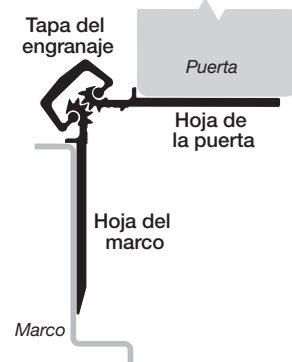
Para facilitar la instalación, se recomienda instalar algún tipo de salpicadera detrás del marco. No use tornillos roscadores autorroscantes (SDTF) para taladrar en los marcos de cemento. Si no se han usado

Fig. 1 Posición de puerta cerrada



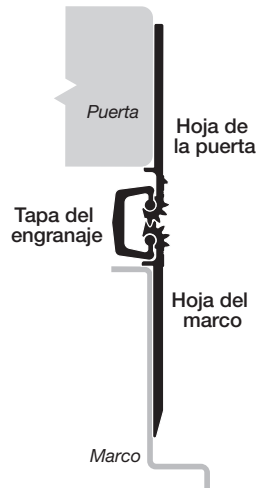
Se muestra el modelo SL18

Fig. 2 Puerta abierta a 90°



Se muestra el modelo SL18

Fig. 3 Puerta abierta a 180°



Se muestra el modelo SL18

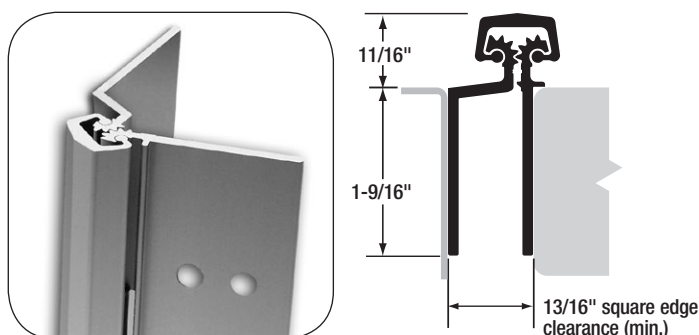
salpicaderas, taladre cuidadosamente orificios que sirvan como guía a través del marco y quite el cemento para poder colocar el tornillo. No agrande los orificios del marco.

Charnelas clasificadas como resistentes al fuego



Todas las charnelas SELECT en existencia están aprobadas por UL para 90 minutos, sin pasadores. Por favor contacte a SELECT para obtener información completa acerca de las charnelas clasificadas como resistentes al fuego.

Concealed Continuous Geared Safety Hinge

SL71


Calculating Required Door Clearances

For Square and Beveled-Edge Doors

SINGLE DOOR: Square Edge

Hinge side clearance	13/16"
Latch side clearance	1/8"
Frame variance clearance	1/32"

Total Width Clearance **31/32"**

To determine door width:

Subtract the Total Width Clearance from the width of the frame opening.

SINGLE DOOR: Beveled Edge

Hinge side clearance	13/16"
Latch side clearance	1/8"
Frame variance clearance	1/32"
Beveled edge clearance	1/32"

Total Width Clearance **1"**

To determine door width:

Subtract the Total Width Clearance from the width of the frame opening.

Important Warranty Information:

The following actions will void any warranty, expressed or implied:

- Failure to install the hinge according to manufacturer's specifications and requirements. (For more information, visit selecthingerequirements.com.)
- Use of fasteners other than those supplied with the hinge.
- Unauthorized field modifications, including alteration or removal of the factory-applied lubricant, altering the original finish or painting the hinge.

DOUBLE DOORS (PAIR): Square Edge

Hinge side clearance	1-5/8" (13/16" x 2)
Latch side clearance	3/16"
Frame variance clearance	1/16" (1/32" x 2)

Total Width Clearance **1-7/8"**

To determine door width:

Subtract the Total Width Clearance from the width of the frame opening; divide the result by 2.

DOUBLE DOORS (PAIR): Beveled Edge

Hinge side clearance	1-5/8" (13/16" x 2)
Latch side clearance	3/16"
Frame variance clearance	1/16" (1/32" x 2)
Beveled edge clearance	1/16"

Total Width Clearance **1-15/16"**

To determine door width:

Subtract the Total Width Clearance from the width of the frame opening; divide the result by 2.

NOTE: For double-door entrances with a mullion between the pair of doors, calculate each door width using the Single Door clearances. For double-door entrances with a mullion behind the pair of doors, calculate each door width using the Double Doors clearances.

Tools Needed

- Metal-cutting saw
- Tape measure
- #13 or 3/16" drill bit
- 5/32" drill bit (wood frames/doors)
- #3 Phillips drive
- Shims

Parts Supplied

- #12-24 thread-forming (TF) 410 SS Phillips undercut flathead screws

Optional Parts

- #12 410 SS Phillips undercut flathead wood screws
- #12-24 self-drilling, thread-forming (SDTF) 410 SS Phillips undercut flathead screws
- Protective gloves are recommended

How to Cut the Hinge to Fit

- Keep hinge in "door closed" position (Fig. 1).
- Determine whether this will be a right-hand or left-hand installation.

IMPORTANT: Cut only one end of hinge. Cut end will be installed at the bottom. Keep original templated six-hole pattern at top end of hinge.

- Using a metal-cutting saw, begin the cut through the gear cap first.

NOTE: DO NOT cut through a set screw bearing.

- Reinstall any set screw bearing that may have been cut off.

A. Prepare Frame

- Shim hinge to 1/8" below the header to allow for door clearance.
- Hold hinge in "door open" position (Fig. 2), making sure frame leaf alignment is tight against frame face.
- Mark (or centerpunch) hole locations.

NOTE: TF screws and wood screws require pilot holes at marked locations. SDTF screws do not require pilot holes.

- If using SDTF screws, go to Step 5. If using TF or wood screws, drill holes at marked locations. DO NOT attach hinge to the frame at this time.

- Metal frame: Use #13 (.185") bit or 3/16" (.188") bit
- Wood frame: Use 5/32" (.156") bit

B. Attach Door to Hinge

- Align the door leaf alignment flange along the full length of the door edge (even if the door is slightly warped).

IMPORTANT: Top end of the hinge must be flush with the top of the door.

- Mark (or centerpunch) holes. If using SDTF screws, go to Step 7. If using TF or wood screws, drill holes at marked locations.

- Metal door: Use #13 (.185") bit or 3/16" (.188") bit
- Wood door: Use 5/32" (.156") bit

- Fasten door leaf to door using #3 Phillips drive and fasteners provided.

C. Attach Door to Frame

- Position door at 90 degrees to the frame. Shim door to the proper height so the door aligns with the top screw holes.
- Install two screws at the top of hinge. Remove shim and align remaining holes. Install screws in middle and bottom two holes.
- Check door for proper swing and clearance before installing remaining screws.

Reinforcing & Rivnuts®

No hinge reinforcement is necessary except on extremely high-frequency, extremely heavy or extra-wide doors. Rivnuts are recommended for use in the frame when the door exceeds 450 lb. (max. 600 lb.).

NOTE: Only SELECT steel Rivnuts are to be used with fire-rated SELECT hinges.

Grouted/Slushed-in Frames

For ease of installation, it is recommended some sort of mudguard be installed behind the frame. Do not use self-drilling, thread-forming (SDTF) screws to drill into grouted frames. If mudguards have not been used, carefully drill pilot holes through frame and remove grout for screw clearance. Do not oversize holes in frame.

Fig. 1 Door Closed Position

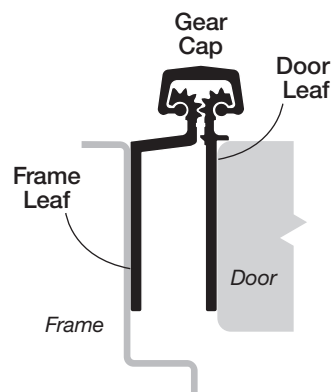


Fig. 2 Door Open 90°

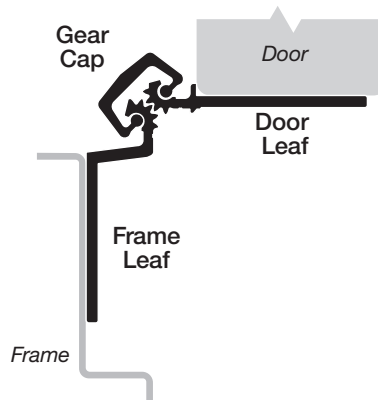
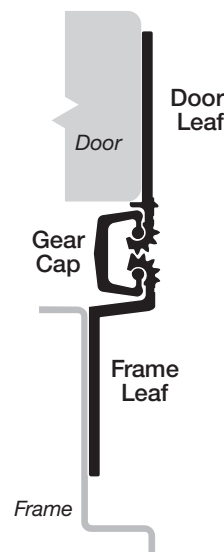
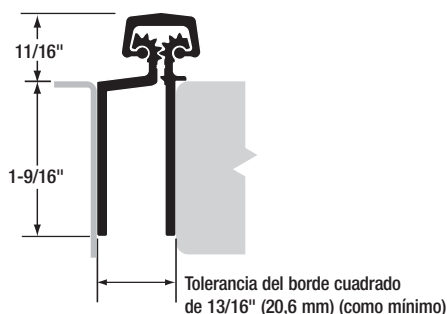


Fig. 3 Door Open 180°



SL71



Información importante sobre la garantía:

Las siguientes acciones anularán cualquier garantía, expresa o implícita:

- El no instalar la bisagra según las especificaciones y los requisitos del fabricante. (Para obtener más información, visite selecthingerequirements.com.)
- Uso de sujetadores que no sean los que se suministran con la charnela.
- Modificaciones de campo no autorizadas, incluyendo la alteración o eliminación del lubricante aplicado de fábrica, alterar el acabado original o pintar la charnela.

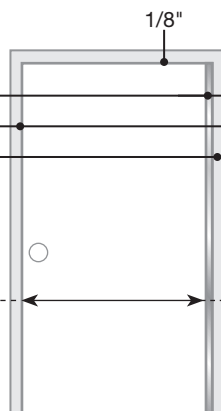
Cálculo de las tolerancias requeridas para la puerta

Para puertas cuadradas y canteadas en bisel

UNA SOLA PUERTA: Borde cuadrado

Tolerancia lateral de la charnela	3/16"
Tolerancia lateral del cerrojo	1/8"
Tolerancia de variación del marco	1/32"
Tolerancia de ancho total	31/32"

Para determinar el ancho de la puerta:
 Reste la tolerancia de ancho total del ancho de la abertura del marco.



UNA SOLA PUERTA: Canteado en bisel

Tolerancia lateral de la charnela	3/16"
Tolerancia lateral del cerrojo	1/8"
Tolerancia de variación del marco	1/32"
Tolerancia del canteado en bisel	1/32"
Tolerancia de ancho total	1"

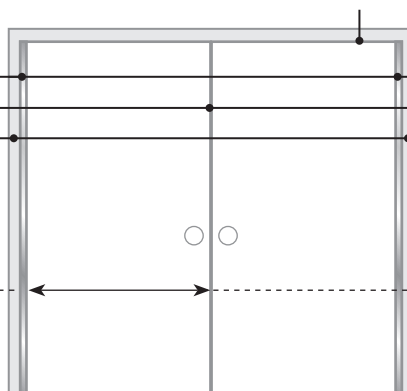
Para determinar el ancho de la puerta:
 Reste la tolerancia de ancho total del ancho de la abertura del marco.

PUERTAS DOBLES (PAR):

Borde cuadrado

Tolerancia lateral de la charnela	1-5/8" (13/16" x 2)
Tolerancia lateral del cerrojo	3/16"
Tolerancia de variación del marco	1/16" (1/32" x 2)
Tolerancia de ancho total	1-7/8"

Para determinar el ancho de la puerta:
 Reste la tolerancia de ancho total del ancho de la abertura del marco; divida el resultado entre 2.



PUERTAS DOBLES (PAR):

Borde cuadrado

Tolerancia lateral de la charnela	1-5/8" (13/16" x 2)
Tolerancia lateral del cerrojo	3/16"
Tolerancia de variación del marco	1/16" (1/32" x 2)
Tolerancia del canteado en bisel	1/16"
Tolerancia de ancho total	1-15/16"

Para determinar el ancho de la puerta:
 Reste la tolerancia de ancho total del ancho de la abertura del marco; divida el resultado entre 2.

NOTA: Para entradas de puertas dobles con entreventana entre las dos puertas, calcule el ancho de cada puerta usando las tolerancias para una sola puerta. Para entradas de puertas dobles con entreventana detrás de las dos puertas, calcule el ancho de cada puerta usando las tolerancias para puertas dobles.

Herramientas necesarias

- Sierra para cortar metal
- Cinta para medir
- Broca Nro. 13 o de 3/16" (4,8 mm)
- Broca de 5/32" (4 mm) (marcos/ puertas de madera)
- Destornillador Phillips Nro. 3
- Cuñas

Piezas suministradas

- Tornillos Phillips de acero inoxidable 410 roscadores (TF) Nro. 12-24 de cabeza plana sesgada

Piezas opcionales

- Tornillos Phillips de acero inoxidable 410 Nro. 12 de cabeza plana sesgada, para madera
- Tornillos Phillips de acero inoxidable 410 roscadores autorroscantes (SDTF) Nro. 12-24 de cabeza plana sesgada
- Se recomienda el uso de guantes protectores

Cómo cortar la charnela para que encaje

- Mantenga la charnela en la posición de "puerta cerrada" (Fig. 1).
- Determine si esta será una instalación para diestros o zurdos.

IMPORTANTE: Corte solamente un extremo de la charnela. El extremo cortado se instalará en la parte inferior. Guarde el patrón de plantilla original de seis orificios en el extremo superior de la charnela.

- Con una sierra para cortar metal, comience a cortar primero a través de la tapa de los engranajes.

NOTA: NO corte por el rodamiento del tornillo opresor.

- Vuelva a colocar cualquier rodamiento del tornillo opresor que hubiera podido cortarse.

A. Preparación del marco

- Coloque cuñas en la charnela a 1/8" (3,2 mm) debajo del travesaño para dejar tolerancia para la puerta.
- Sostenga la charnela en la posición de "puerta abierta" (Fig. 2) y asegúrese de que la alineación de la hoja del marco esté ajustada contra la cara del marco.
- Marque (o punce) las ubicaciones de los orificios.

NOTA: Los tornillos roscadores (TF) y los de madera necesitan orificios piloto en las ubicaciones marcadas. Los tornillos roscadores autorroscantes (SDTF) no necesitan orificios piloto.

- Si va a usar tornillos roscadores autorroscantes (SDTF), vaya al paso 5. Si va a usar tornillos roscadores (TF) o para madera, taladre orificios en los lugares marcados. NO fije aún la charnela al marco en este momento.

- Marco de metal: Use una broca Nro. 13 (0,185" [4,7 mm]) o de 3/16" (0,188" [4,8 mm])
- Marco de madera: Use una broca de 5/32" (0,156" [4 mm])

B. Fije la puerta a la charnela

- Alinee el reborde de alineación de la hoja de la puerta a lo largo de la longitud total del borde de la puerta (aun si la puerta está ligeramente combada).

IMPORTANTE: El extremo superior de la charnela debe estar alineado con la parte superior de la puerta.

- Marque (o punce) los orificios. Si va a usar tornillos roscadores autorroscantes (SDTF), vaya al paso 7. Si va a usar tornillos roscadores (TF) o para madera, taladre orificios en los lugares marcados.

- Marco de metal: Use una broca Nro. 13 (0,185" [4,7 mm]) o de 3/16" (0,188" [4,8 mm])
- Marco de madera: Use una broca de 5/32" (0,156" [4 mm])

- Sujete la hoja de la puerta a la puerta usando el destornillador Phillips Nro. 3 y los sujetadores provistos.

C. Sujete la puerta al marco

- Coloque la puerta a 90 grados respecto del marco. Coloque una cuña en la puerta a la altura apropiada de manera que la puerta se alinee con los orificios superiores de los tornillos.
- Instale dos tornillos en la parte superior de la charnela. Retire la cuña y alinee los orificios restantes. Instale los tornillos en los dos orificios del medio y de la parte inferior.
- Verificar que la puerta tenga la abertura y tolerancia adecuadas antes de instalar los tornillos restantes.

Refuerzo y remaches Rivnuts®

No es necesario ningún refuerzo para la charnela excepto si las puertas se usan con demasiada frecuencia, son extremadamente pesadas o son extraanchas. Se recomienda usar remaches Rivnuts en el marco cuando la puerta excede las 450 lb (204 kg) (máximo 600 lb [272 kg]).

NOTA: Solamente deben usarse remaches Rivnuts de acero SELECT con charnelas SELECT, clasificadas como resistentes al fuego.

Marcos empotrados en cemento

Para facilitar la instalación, se recomienda instalar una salpicadera detrás del marco. No use tornillos roscadores autorroscantes (SDTF) para taladrar en los marcos empotrados. Si no se han usado salpicaderas, taladre cuidadosamente orificios piloto a través del marco y quite el cemento a fin de hacer espacio para el tornillo. No haga los orificios demasiado grandes en el marco.

Fig. 1 Posición de puerta cerrada

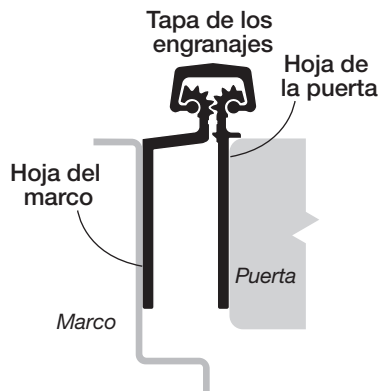


Fig. 2 Puerta abierta a 90°

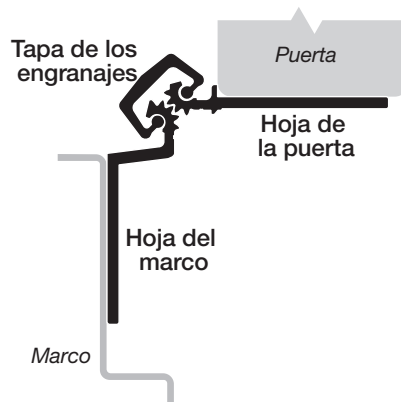
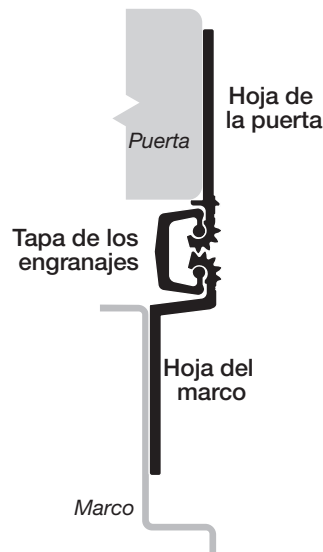


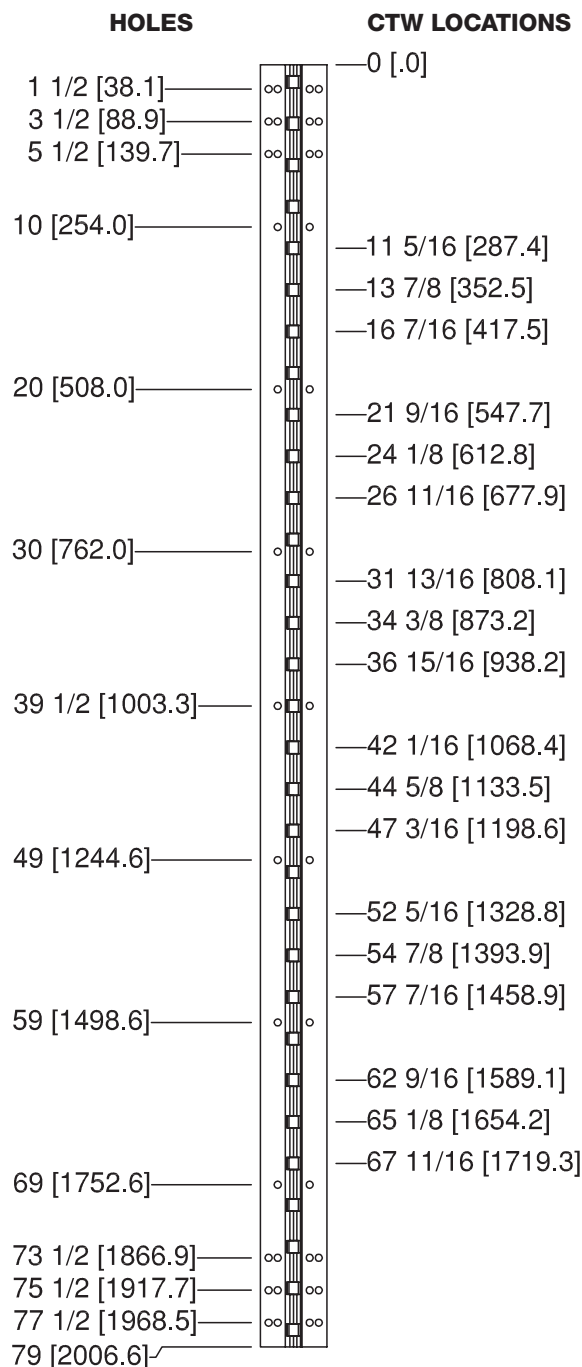
Fig. 3 Puerta abierta a 180°



- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes and bearings.
- Choose location(s) for CTW prep(s) from bearing slot(s) dimensioned. CTW4/5 = 1 location; CTW8/10 = 2 locations; CTW12 = 3 locations.

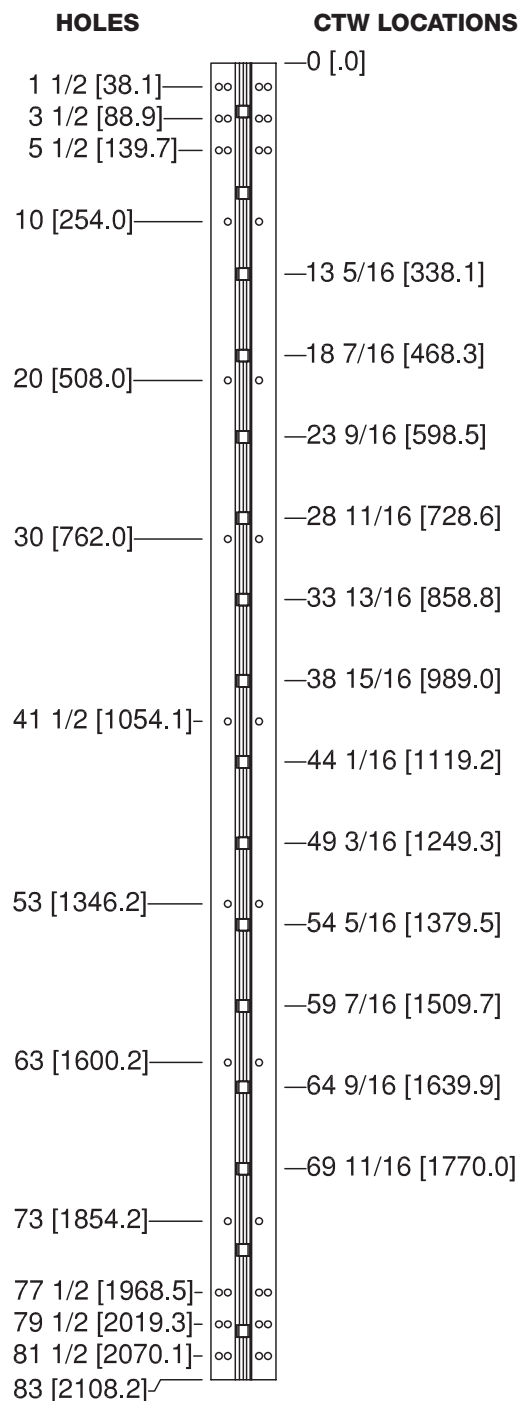
**For 79" HD
Models SL11, SL24 Clear only**

38 fasteners / 31 bearings



**For 83" SD
Models SL11, SL14, SL18, SL24**

38 fasteners / 16 bearings



TEMPLATES

Concealed Geared Hinges

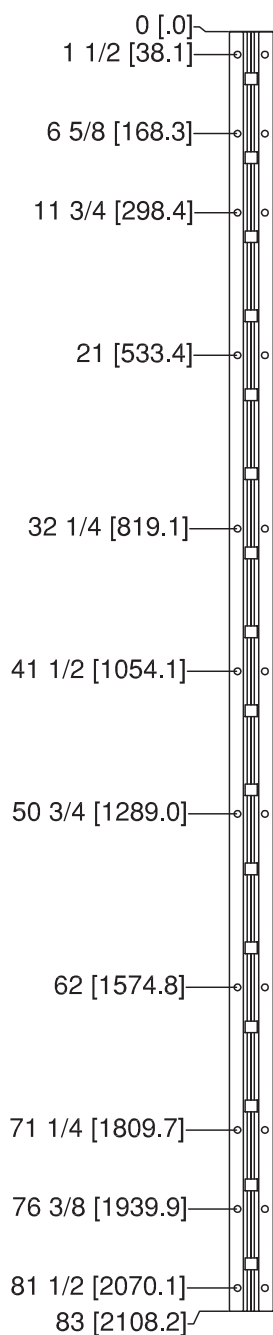


- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes and bearings.
- Choose location(s) for CTW prep(s) from bearing slot(s) dimensioned. CTW4/5 = 1 location; CTW8/10 = 2 locations; CTW12 = 3 locations.

For 83" SD Model SL38

16 fasteners / 22 bearings

HOLES

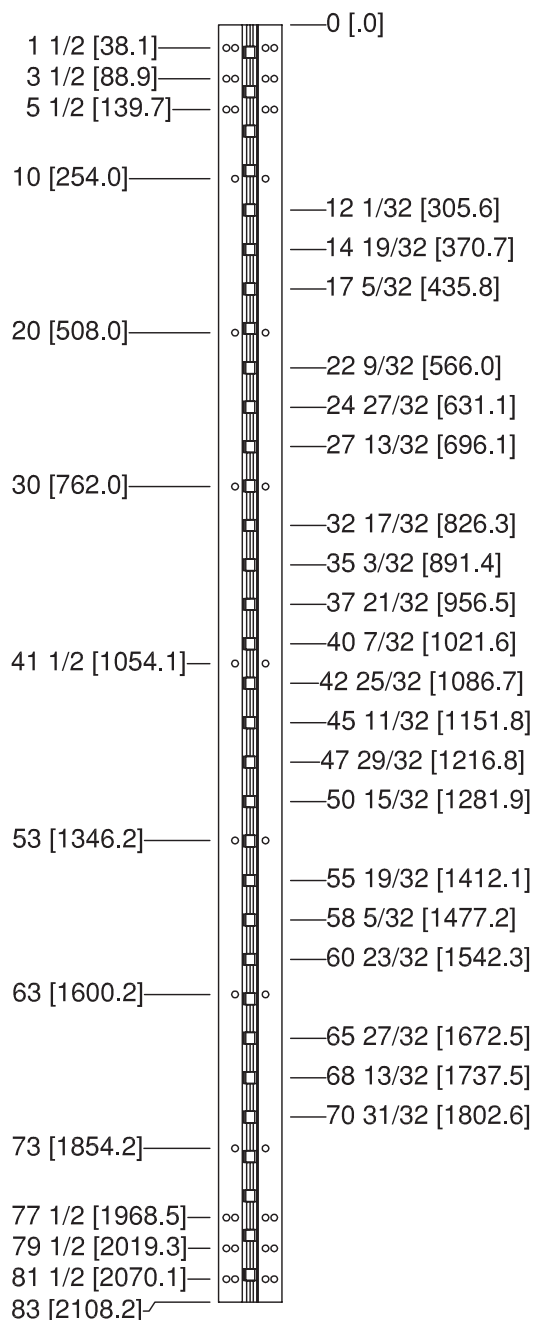


For 83" HD Models SL11, SL14, SL18, SL24, SL31, SL44, SL48

38 fasteners / 32 bearings

HOLES

CTW LOCATIONS

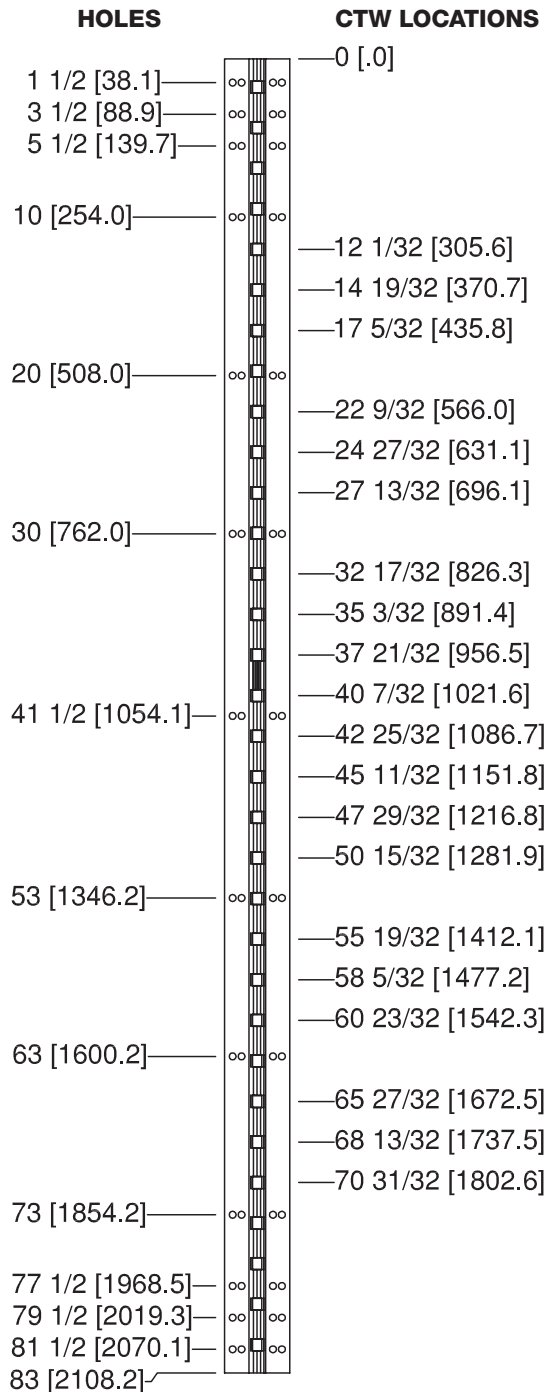




- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes and bearings.
- Choose location(s) for CTW prep(s) from bearing slot(s) dimensioned. CTW4/5 = 1 location; CTW8/10 = 2 locations; CTW12 = 3 locations.

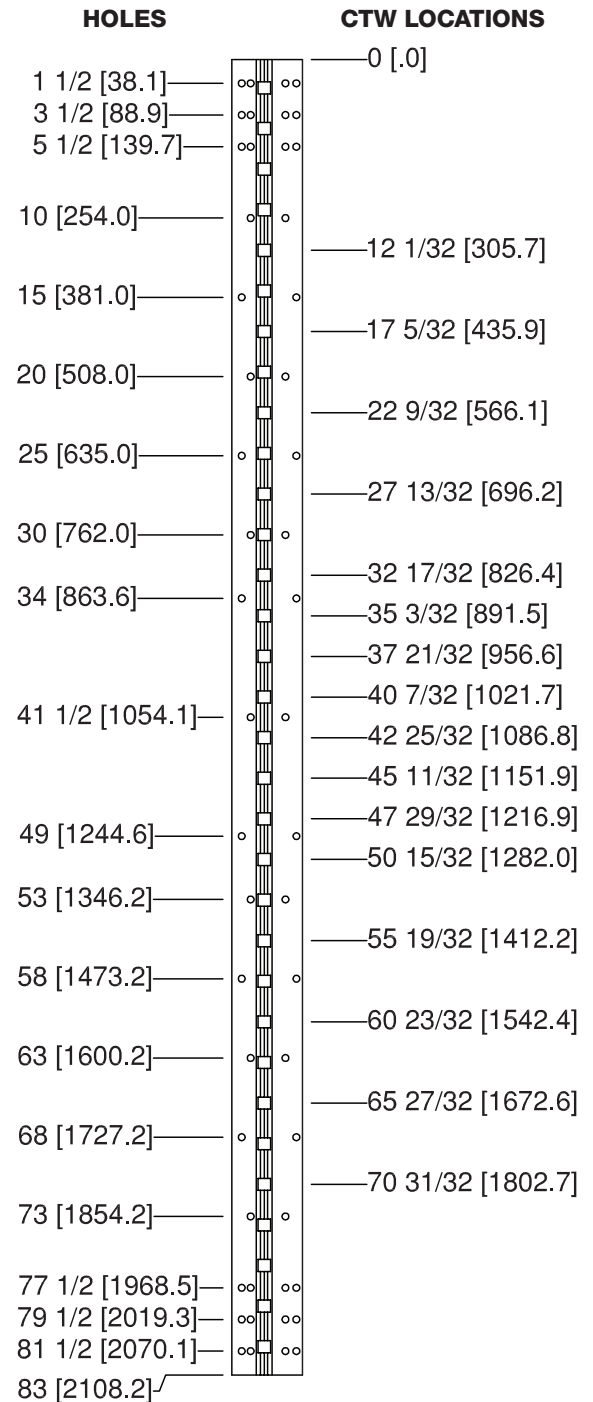
For 83" LL Models SL11, SL18, SL24

52 fasteners / 32 bearings



For 83" LL Models SL26, SL27

50 fasteners / 32 bearings



TEMPLATES

Concealed Geared Hinges

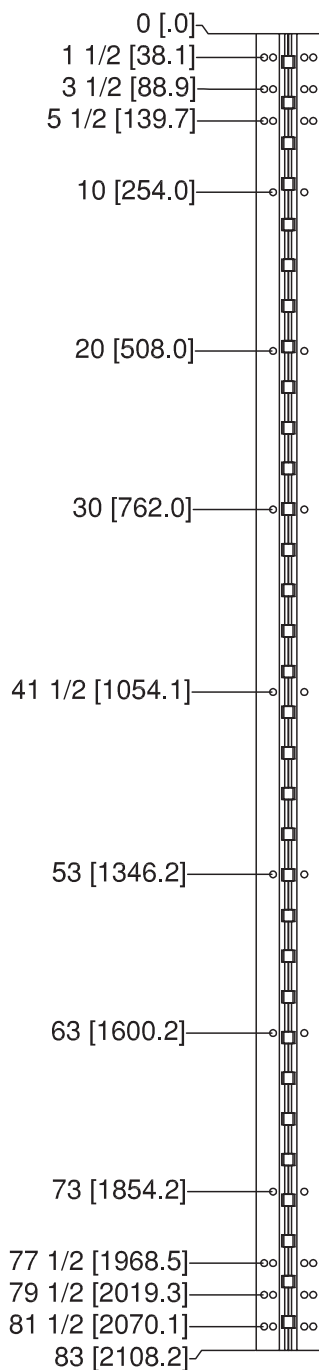


- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes and bearings.
- Choose location(s) for CTW prep(s) from bearing slot(s) dimensioned. CTW4/5 = 1 location; CTW8/10 = 2 locations; CTW12 = 3 locations.

For 83" Safety Hinge Model SL71

32 fasteners / 38 bearings

HOLES

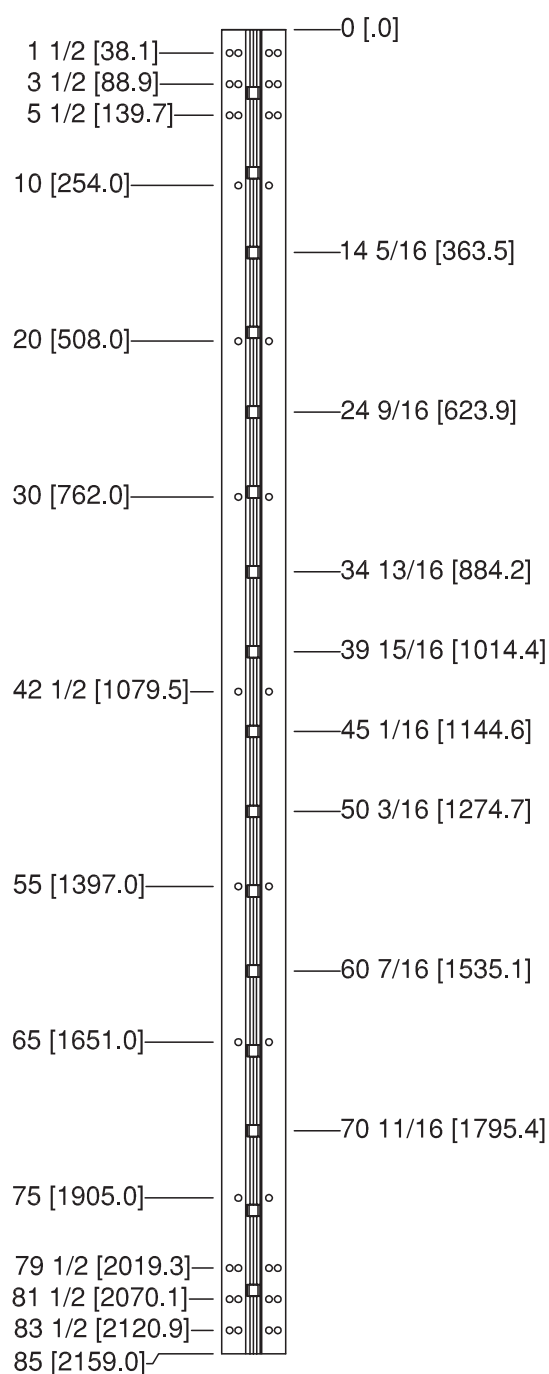


For 85" SD Models SL11, SL14, SL18, SL24

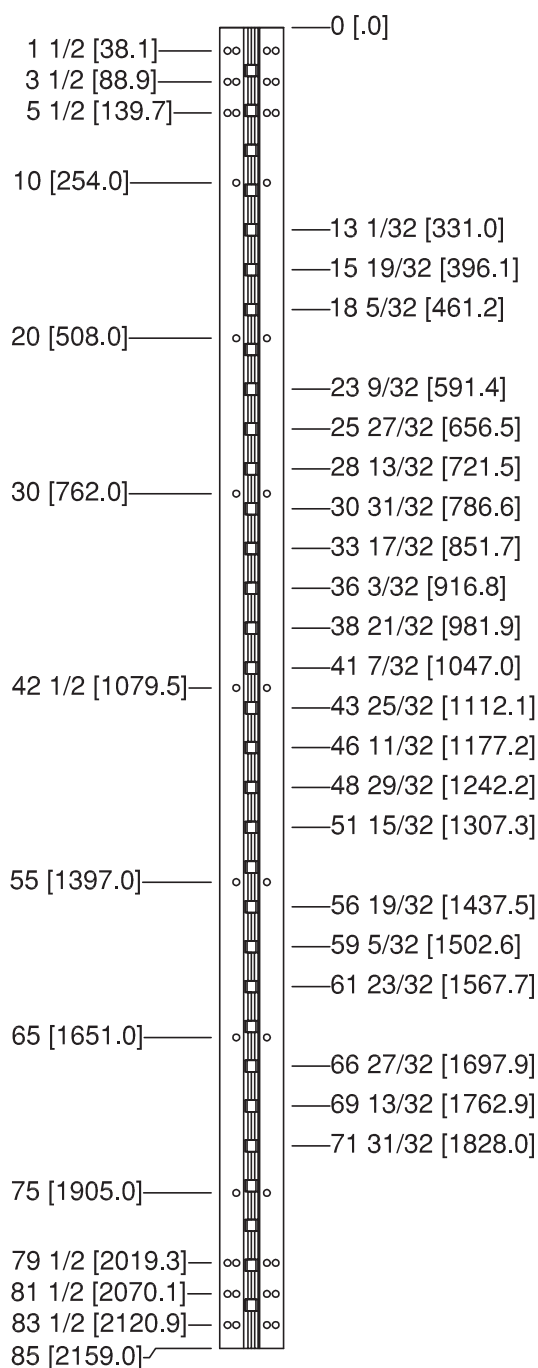
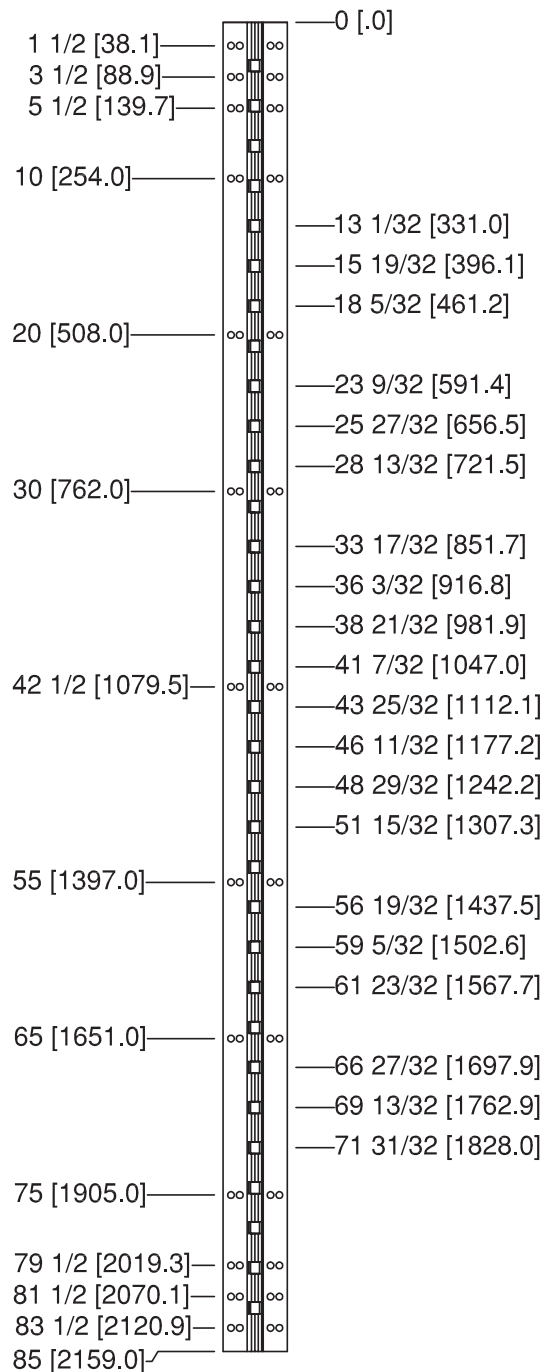
38 fasteners / 16 bearings

HOLES

CTW LOCATIONS



- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes and bearings.
- Choose location(s) for CTW prep(s) from bearing slot(s) dimensioned. CTW4/5 = 1 location; CTW8/10 = 2 locations; CTW12 = 3 locations.

**For 85" HD
Models SL11, SL14, SL18, SL24**
38 fasteners / 32 bearings
HOLES
CTW LOCATIONS

**For 85" LL
Models SL11, SL18, SL24**
52 fasteners / 32 bearings
HOLES
CTW LOCATIONS


TEMPLATES

Concealed Geared Hinges



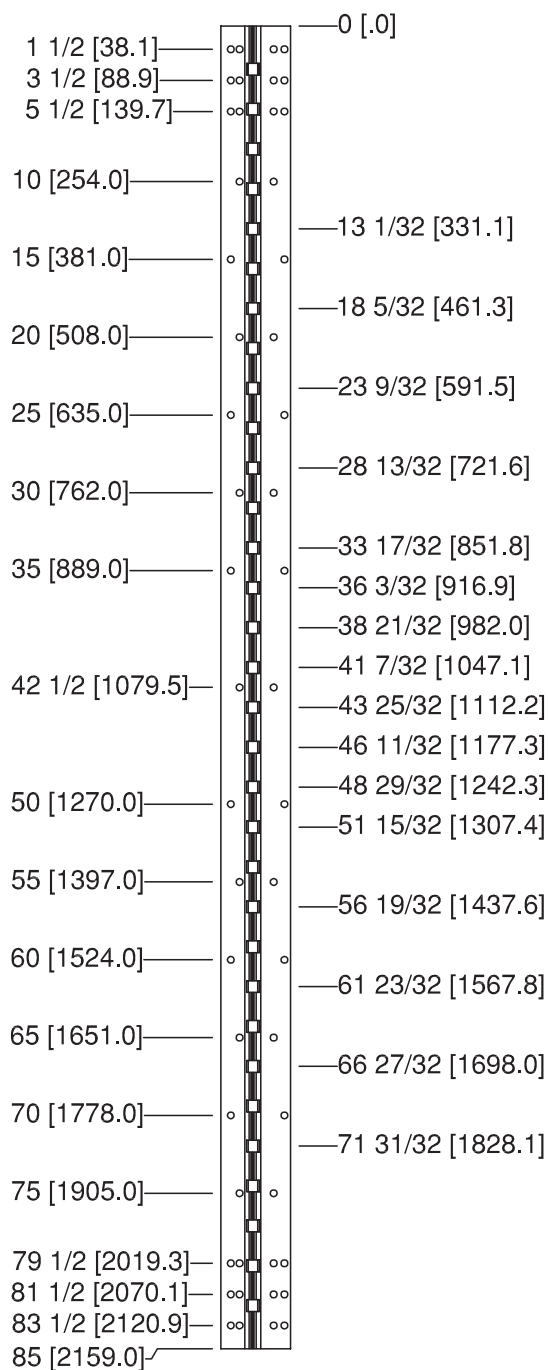
- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes and bearings.
- Choose location(s) for CTW prep(s) from bearing slot(s) dimensioned. CTW4/5 = 1 location; CTW8/10 = 2 locations; CTW12 = 3 locations.

For 85" LL Models SL26, SL27

50 fasteners / 32 bearings

HOLES

CTW LOCATIONS

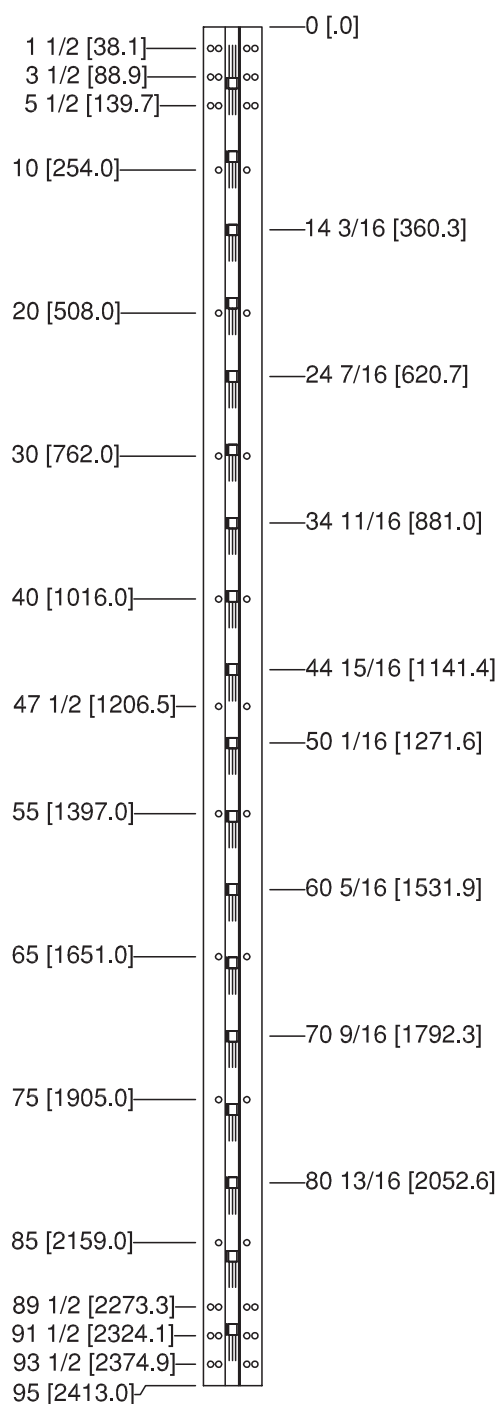


For 95" SD Models SL11, SL14, SL18, SL24

42 fasteners / 18 bearings

HOLES

CTW LOCATIONS



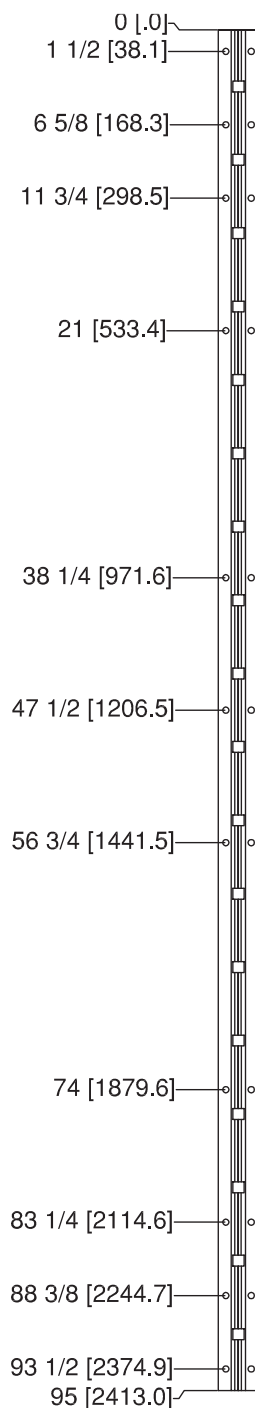


- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes and bearings.
- Choose location(s) for CTW prep(s) from bearing slot(s) dimensioned. CTW4/5 = 1 location; CTW8/10 = 2 locations; CTW12 = 3 locations.

For 95" SD Model SL38

18 fasteners / 22 bearings

HOLES

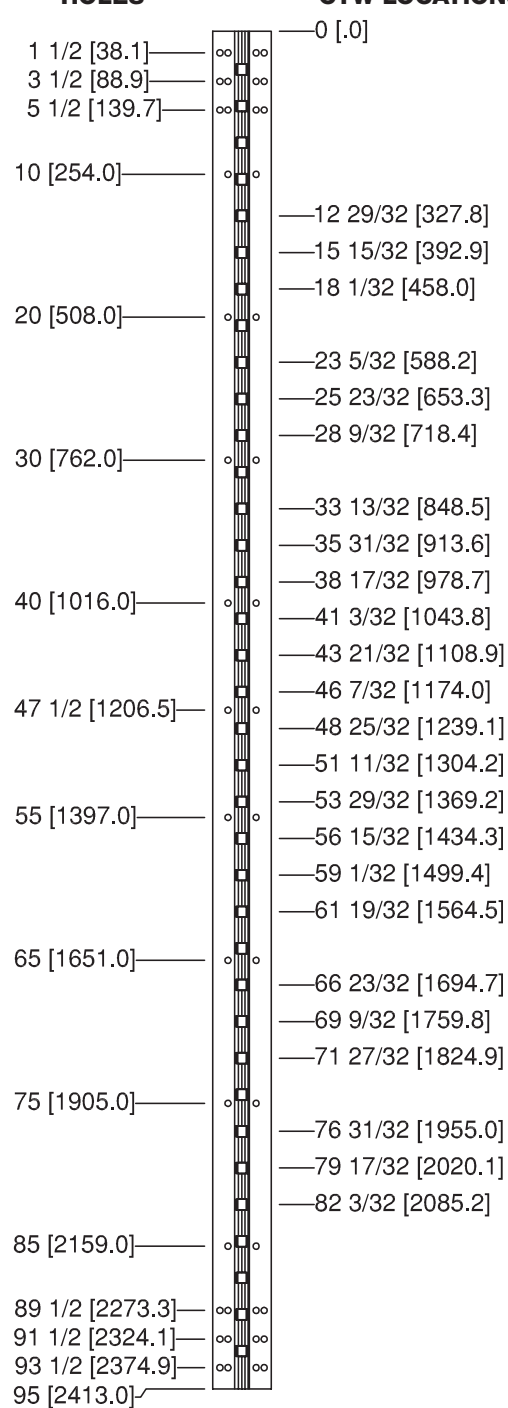


For 95" HD Models SL11, SL14, SL18, SL24, SL31, SL44, SL48

42 fasteners / 36 bearings

HOLES

CTW LOCATIONS



TEMPLATES

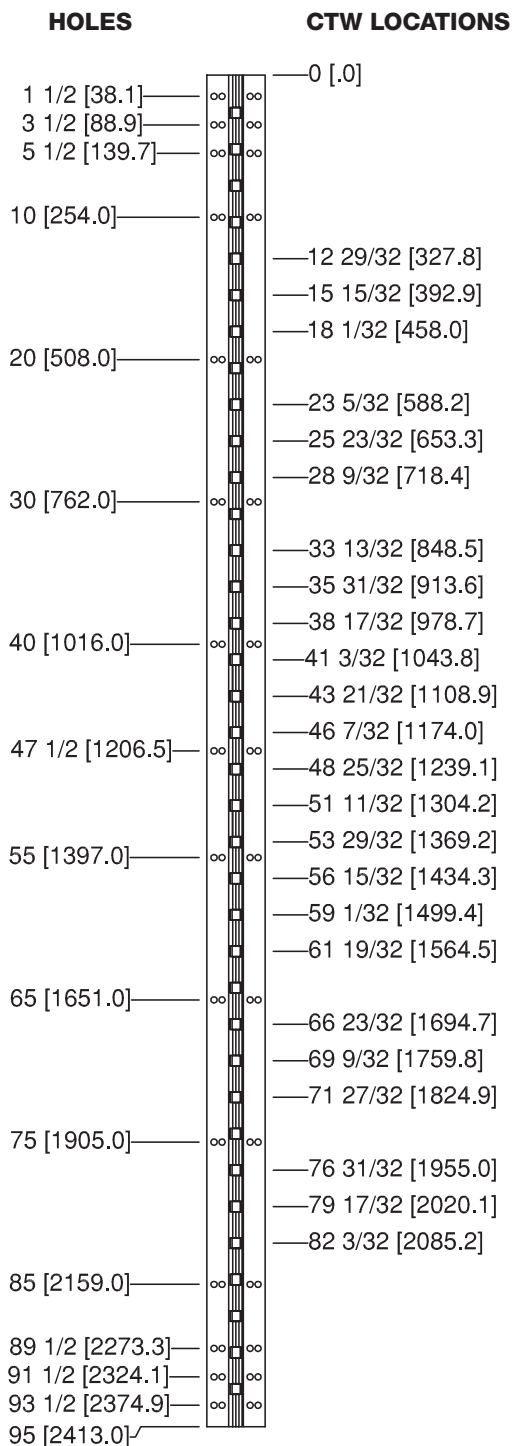
Concealed Geared Hinges



- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes and bearings.
- Choose location(s) for CTW prep(s) from bearing slot(s) dimensioned. CTW4/5 = 1 location; CTW8/10 = 2 locations; CTW12 = 3 locations.

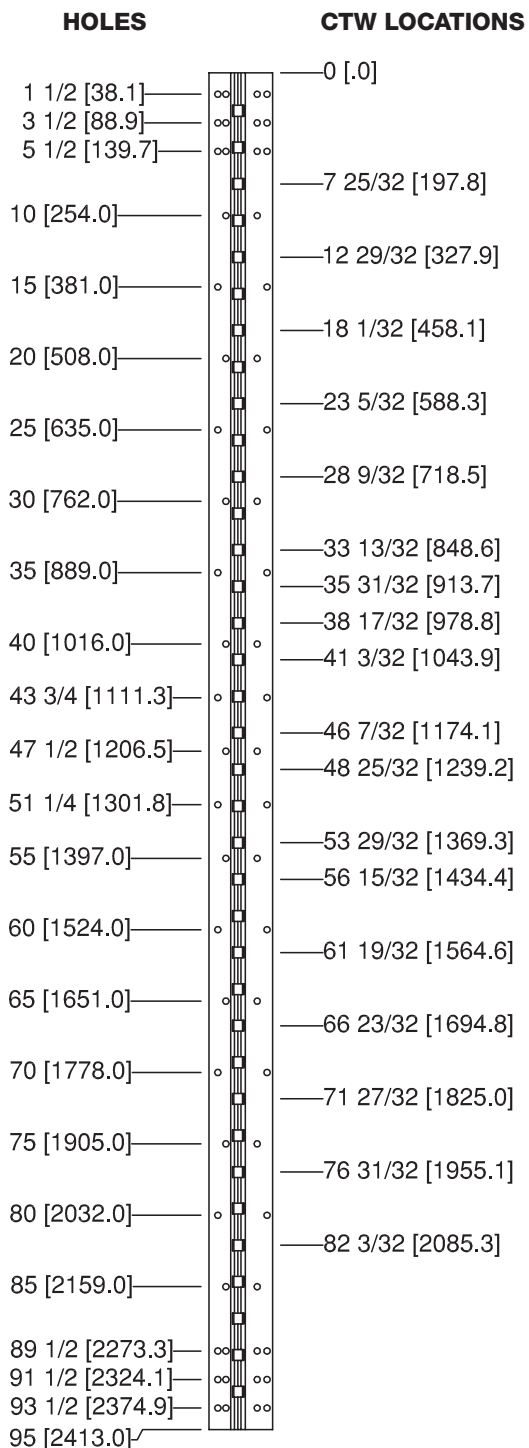
For 95" LL Models SL11, SL18, SL24

60 fasteners / 36 bearings



For 95" LL Models SL26, SL27

58 fasteners / 36 bearings





**SELECT
HINGES™**

TEMPLATES

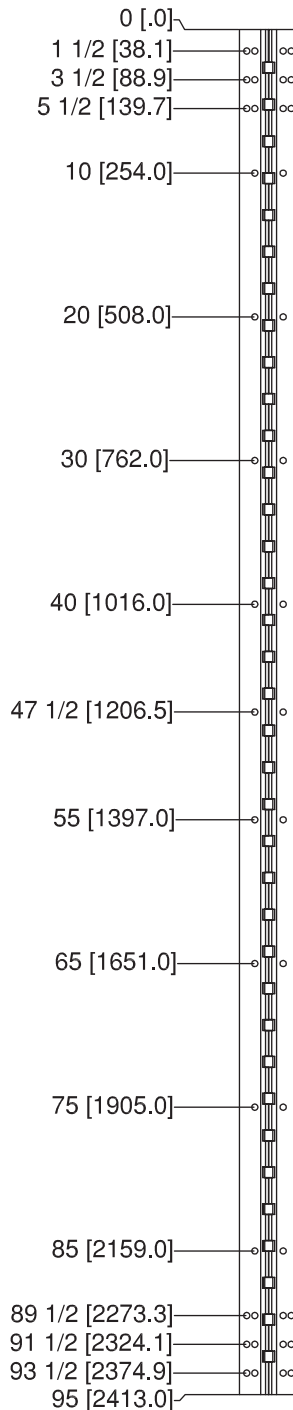
Concealed Geared Hinges

- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes and bearings.
- Choose location(s) for CTW prep(s) from bearing slot(s) dimensioned. CTW4/5 = 1 location; CTW8/10 = 2 locations; CTW12 = 3 locations.

For 95" Safety Hinge Model SL71

36 fasteners / 40 bearings

HOLES

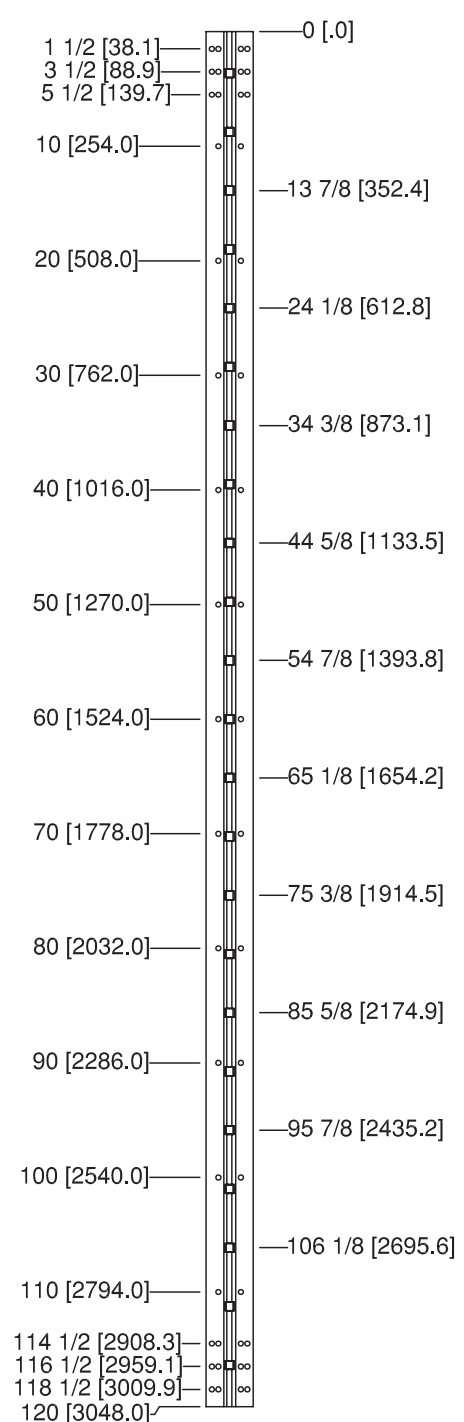


For 120" SD Models SL11, SL14, SL18, SL24

46 fasteners / 23 bearings

HOLES

CTW LOCATIONS



TEMPLATES

Concealed Geared Hinges



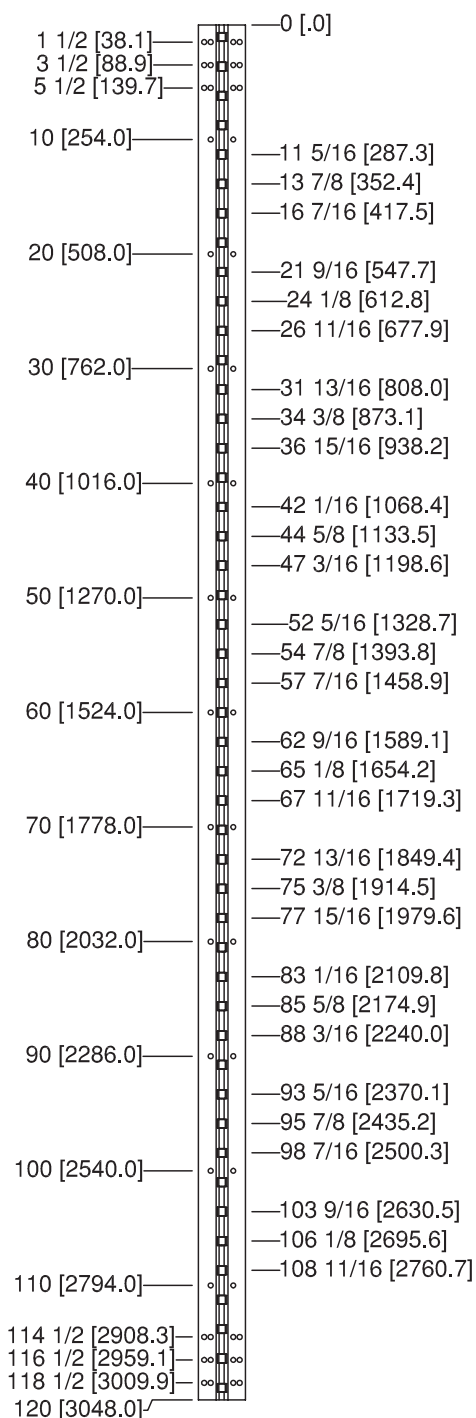
- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes and bearings.
- Choose location(s) for CTW prep(s) from bearing slot(s) dimensioned. CTW4/5 = 1 location; CTW8/10 = 2 locations; CTW12 = 3 locations.

For 120" HD Models SL11, SL14, SL18, SL24

46 fasteners / 47 bearings

HOLES

CTW LOCATIONS

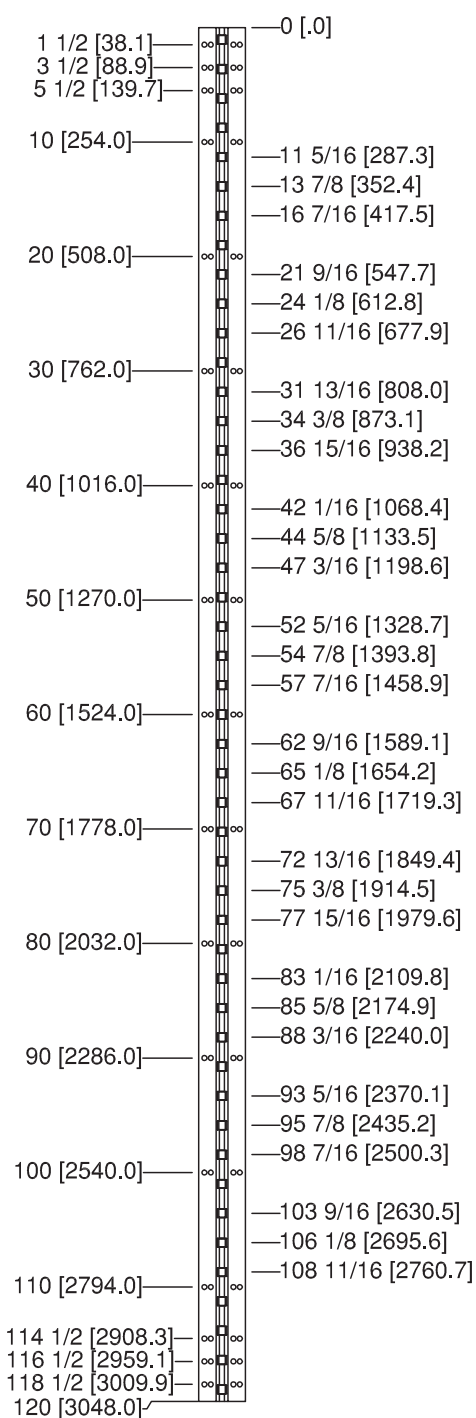


For 120" LL Models SL11, SL18, SL24

68 fasteners / 47 bearings

HOLES

CTW LOCATIONS





**SELECT
HINGES™**

TEMPLATES Concealed Geared Hinges

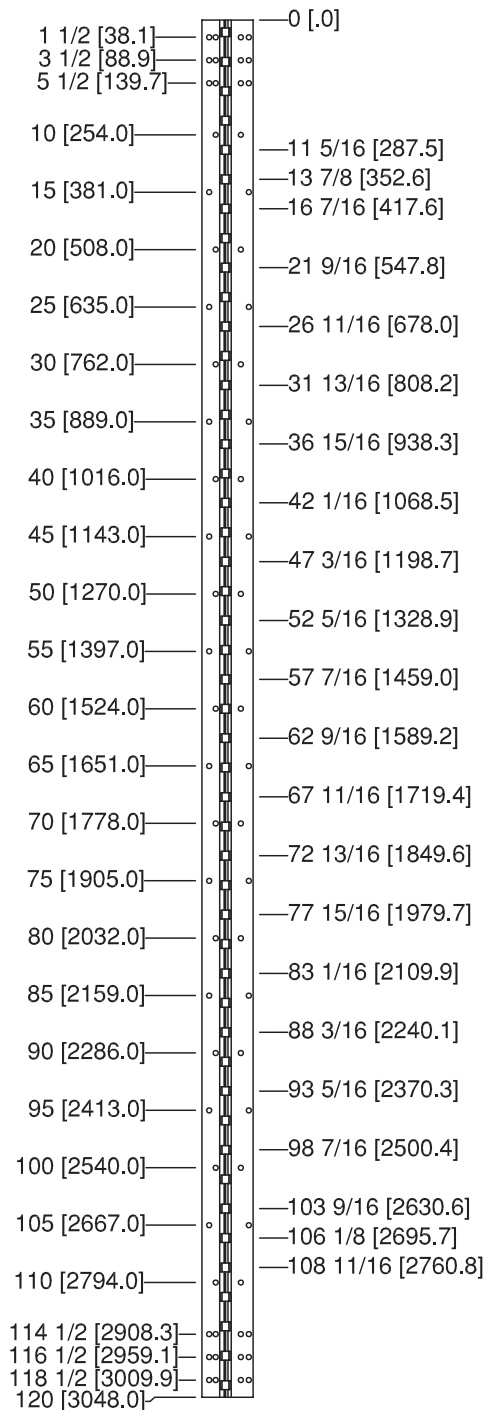
- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes and bearings.
- Choose location(s) for CTW prep(s) from bearing slot(s) dimensioned. CTW4/5 = 1 location; CTW8/10 = 2 locations; CTW12 = 3 locations.

For 120" LL Models SL26, SL27

66 fasteners / 47 bearings

HOLES

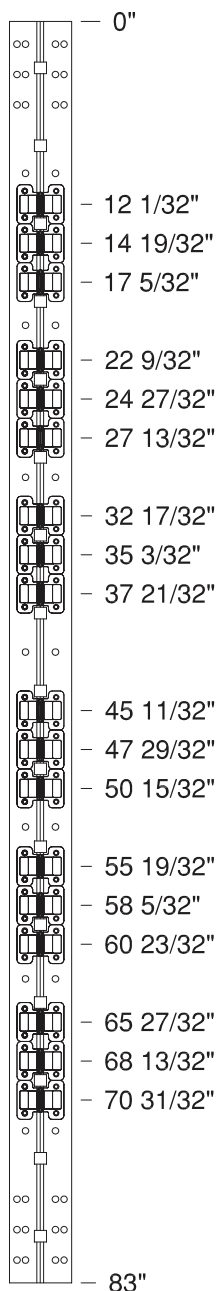
CTW LOCATIONS



- All dimensions are measured in inches from the top of the door to the centerline of the ATW panels.
- Choose location for ATW prep. ATW4 = 1 location; ATW8 = 1 location; ATW12 = 1 location.

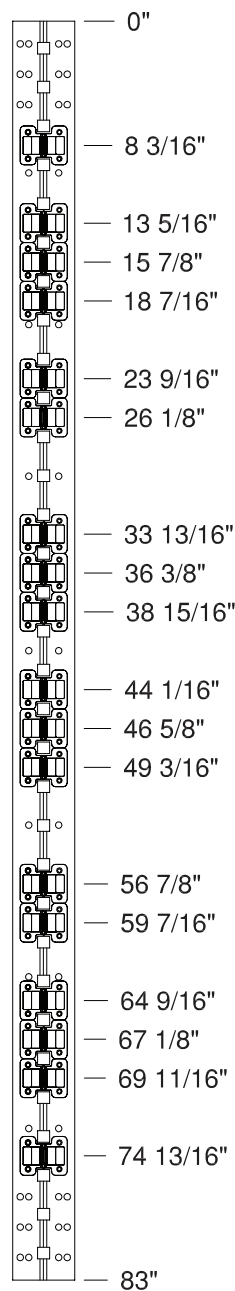
**For 83" SD
Models SL11, SL14, SL18, SL24**

ATW LOCATIONS



**For 83" HD
Models SL11, SL14, SL18, SL24,
SL31, SL44, SL48**

ATW LOCATIONS



ATW TEMPLATES

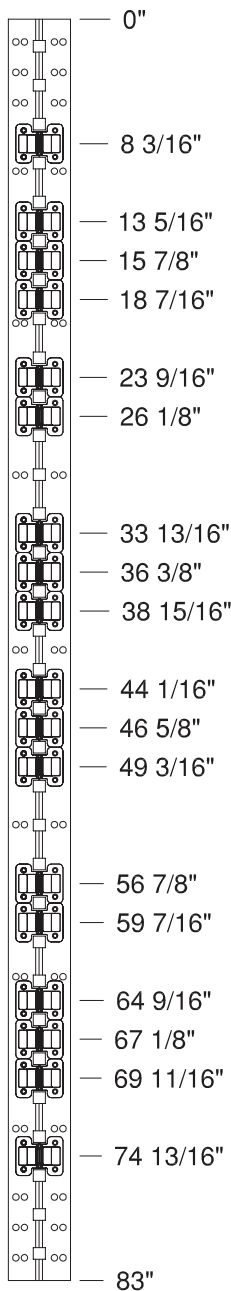
Concealed Geared Hinges



- All dimensions are measured in inches from the top of the door to the centerline of the ATW panels.
- Choose location for ATW prep. ATW4 = 1 location; ATW8 = 1 location; ATW12 = 1 location.

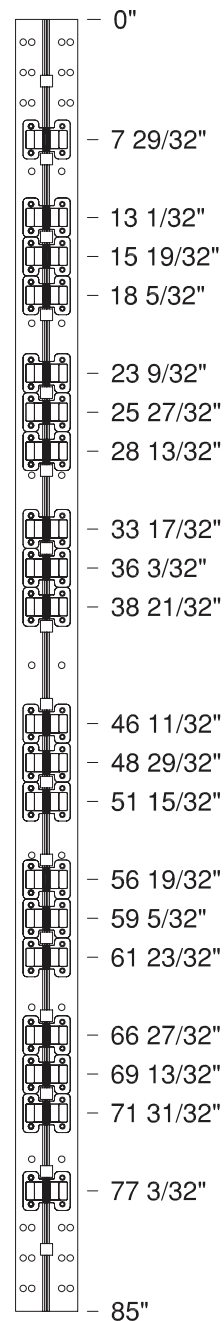
For 83" LL Models SL11, SL14, SL18, SL24, SL26, SL27

ATW LOCATIONS



For 85" SD Models SL11, SL14, SL18, SL24

ATW LOCATIONS

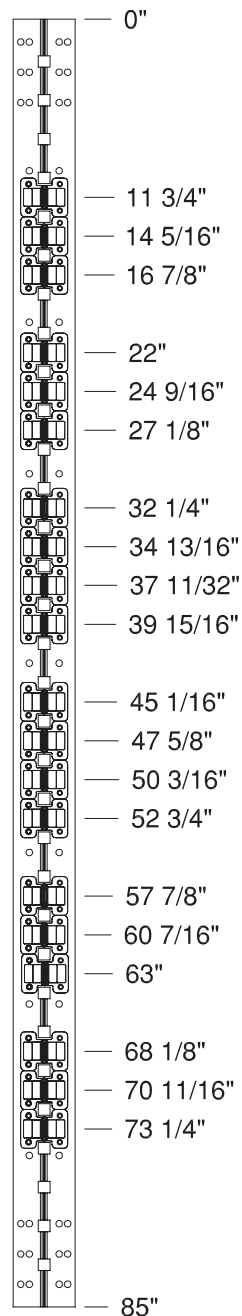




- All dimensions are measured in inches from the top of the door to the centerline of the ATW panels.
- Choose location for ATW prep. ATW4 = 1 location; ATW8 = 1 location; ATW12 = 1 location.

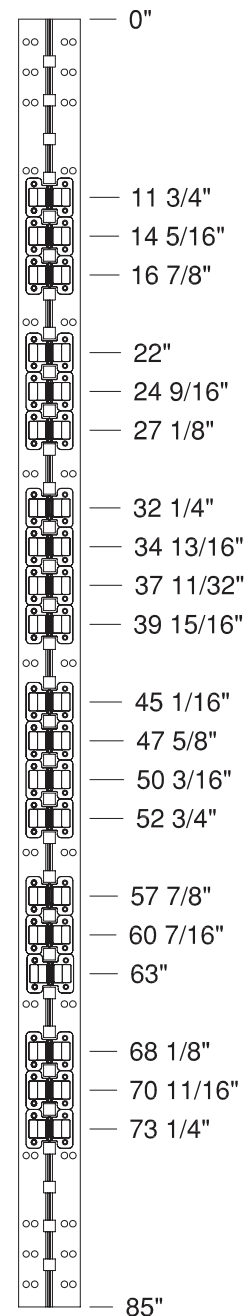
**For 85" HD
Models SL11, SL14, SL18, SL24**

ATW LOCATIONS



**For 85" LL
Models SL11, SL14, SL18, SL24,
SL26, SL27**

ATW LOCATIONS



ATW TEMPLATES

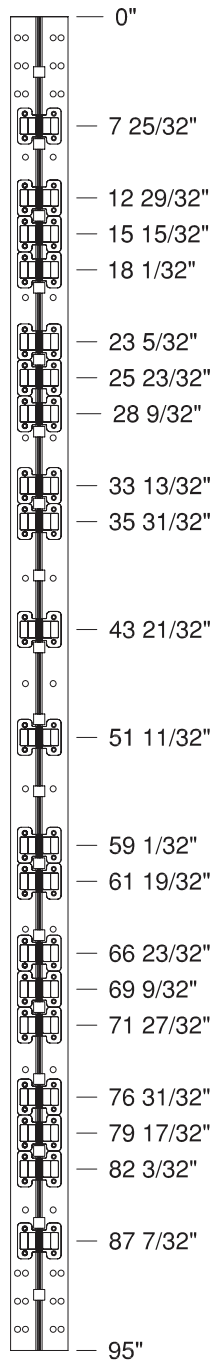
Concealed Geared Hinges



- All dimensions are measured in inches from the top of the door to the centerline of the ATW panels.
- Choose location for ATW prep. ATW4 = 1 location; ATW8 = 1 location; ATW12 = 1 location.

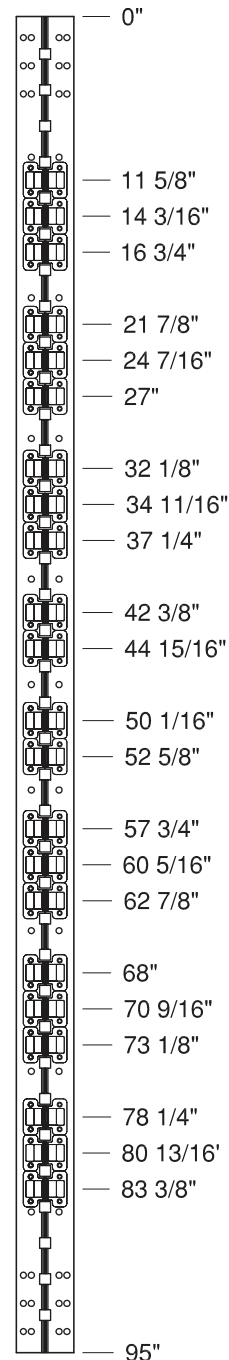
For 95" SD Models SL11, 9L14, SL18, SL24

ATW LOCATIONS



For 95" HD Models SL11, SL14, SL18, SL24, SL31, SL44, SL48

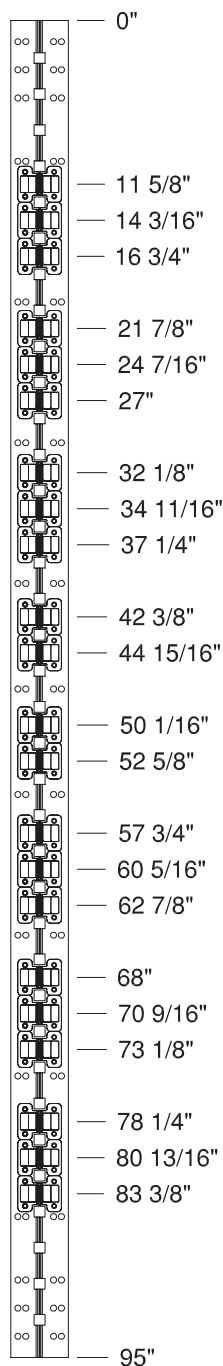
ATW LOCATIONS



- All dimensions are measured in inches from the top of the door to the centerline of the ATW panels.
- Choose location for ATW prep. ATW4 = 1 location; ATW8 = 1 location; ATW12 = 1 location.

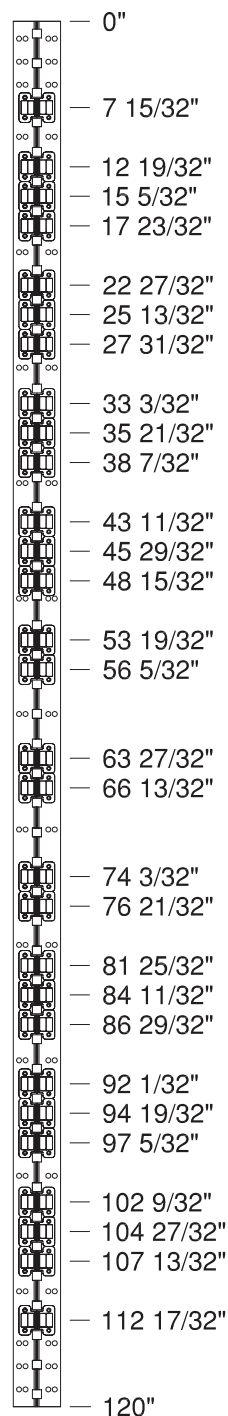
For 95" LL
Models SL11, SL14, SL18, SL24,
SL26, SL27

ATW LOCATIONS



For 120" HD
Models SL11, SL14, SL18, SL24

ATW LOCATIONS



ATW TEMPLATES

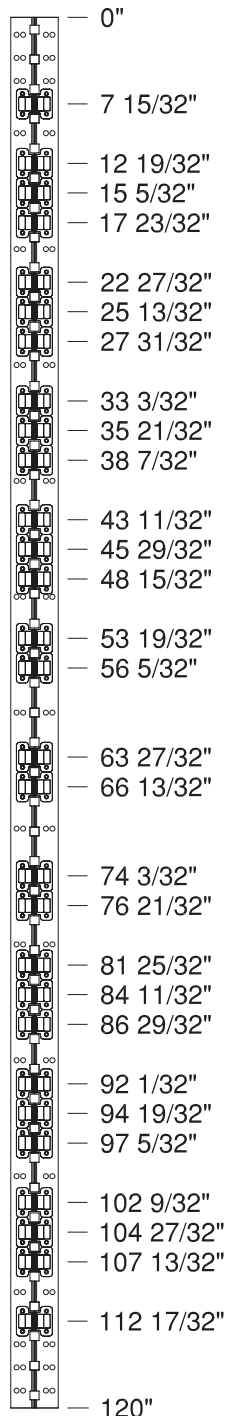
Concealed Geared Hinges



- All dimensions are measured in inches from the top of the door to the centerline of the ATW panels.
- Choose location for ATW prep. ATW4 = 1 location; ATW8 = 1 location; ATW12 = 1 location.

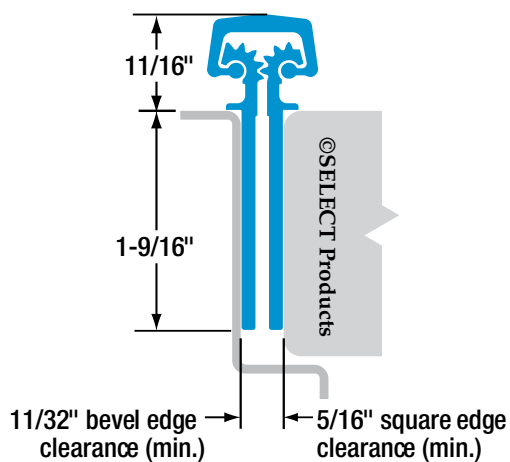
For 120 LL Models SL11, SL14, SL18, SL24, SL26, SL27

ATW LOCATIONS





- Flush mounted
(no door inset)
- For 1-3/4" doors



SL11

Concealed Geared Continuous Hinge



Tested to last six decades



Reduce maintenance costs and hassles. Independent lab tests on an FRP door

prove SELECT hinges withstand 25 million cycles — more than 60 years of high-traffic use. Pair-Matched™ hinge leaves, lifetime lubrication and anodizing after machining deliver the longest life of any continuous hinge.

Covered by the only Continuous Warranty



Because SELECT geared continuous hinges have proven themselves in independent testing, we offer the industry's only

Continuous Warranty. It covers any failure of our aluminum geared continuous hinges — with no expiration date — as long as they are properly installed. Durability and worry-free performance ... guaranteed in writing. *The warranty that never ends for the hinge that never quits.SM*

Certified by the U.S. Department of State



After brutal testing, the State Department granted a SELECT geared continuous hinge its 60-minute certification — the department's highest level. The hinge deflected bullets in the Ballistic Resistance Test and withstood sledgehammers,

wedges and other tools in the Forced Entry Test. Approved for use in U.S. embassies overseas.

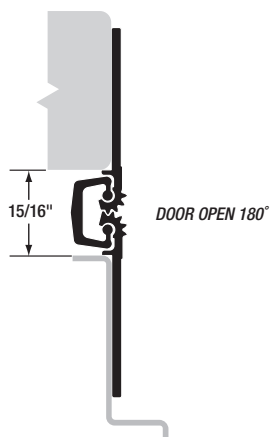
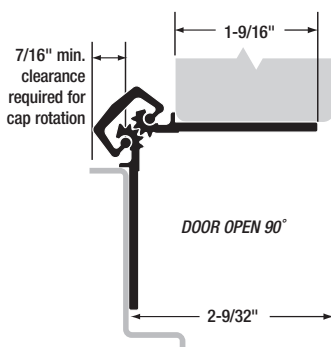
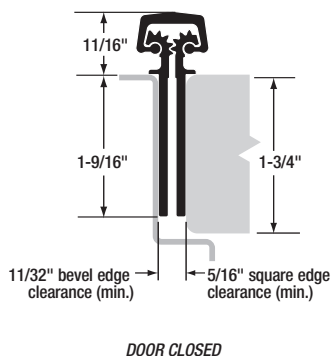
Geared to ship in 48 hours

Geared to ship in



SELECT ships hinges faster than anyone in the industry. 99.9% of our hinge orders ship in 48 hours; more than half are shipped in only 24 hours. Projects won't be delayed while waiting weeks for hinges.

NOTES:



MATERIAL: Extruded 6063 T6 aluminum alloy with self-lubricating polyester thrust bearings.

LENGTHS: 83", 85", 95" and 120" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY RATINGS: For 1-3/4" doors.
48" max. door width in 16 gauge hollow metal (min.) or 1/8" aluminum (min.).

Standard Duty — Tested per BHMA standards for medium-frequency doors up to 200 lb. without frame or door reinforcement.

Heavy Duty — Tested per BHMA standards. Up to 200 lb. doors (high-frequency) and up to 400 lb. doors (medium-frequency) without frame or door reinforcement; up to 600 lb. doors (low-frequency) with the use of Rivnuts in the frame and door.

Heavy Duty (LL) — Our HD hinge with additional fastener holes for low-frequency doors up to 1,000 lb., including most lead-lined doors. Rivnuts are recommended in the frame and door on extremely tall, extremely heavy or wide doors.

FINISHES: All SL11 hinges are stocked in 204R1 Clear (.4-.7 mil) AA-M12C22A31 and 215R1 Dark Bronze (.7 mil and thicker) AA-M12C22A44 anodized aluminum. Custom anodized or painted finishes are available. Product painted or anodized in the field voids the SELECT hinge warranty.

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify length, finish and standard duty (SD), heavy duty (HD) or heavy duty with additional fastener holes (LL). Also, specify door and frame screw applications. 12-24 x 3/4" self-drilling, thread-forming 410SS Phillips undercut flathead screws are provided as a standard pack unless otherwise specified. Wood and thread-forming screws also available. Security screws optional at extra cost.

AVAILABLE ELECTRIC PREPS: EPT, ATW, EMS, CTW4, CTW5, CTW8, CTW10, CTW12, CMG, AP and RP. For CTW12 prep, Please consult factory for engineering approval.

BHMA CERTIFICATION: SL11SD, SL11HD and SL11LL geared continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.



SL11 HINGE SCREW COUNT		
HINGE LENGTH & DUTY RATING	DOOR SCREWS	FRAME SCREWS
79" HD	19	19
83" SD/HD	19	19
85" SD/HD	19	19
95" SD/HD	21	21
120" SD/HD	23	23
83" LL	26	26
85" LL	26	26
95" LL	30	30
120" LL	34	34

SPECIFICATIONS

SL11 Concealed Geared Continuous Hinge



SELECT Advantages



PAIR-MATCHED™ HINGE LEAVES

Manufactured together, machined together and anodized together, making SELECT hinges fit your doors better and last longer. *An exclusive SELECT benefit.*



LIFETIME LUBRICATION

Eliminates the need for periodic maintenance. Quiet performance. Fights gear cap wear. *An exclusive SELECT benefit.*



ANODIZED AFTER MACHINING

Delivers superior wear, durability and life. Inhibits corrosion. Few hinge makers follow SELECT's lead in using this superior manufacturing process.



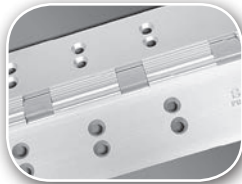
MEETS LEED REQUIREMENTS

Made from recycled aluminum. Reduces environmental impact and qualifies for LEED points. *An exclusive SELECT benefit.*



PATENTED 3-HR. FIRE RATING

Most SELECT hinges are fire rated for **90 minutes. 3-Hr. fire rating**, optional at extra cost, approved for positive/negative pressure. No fire pins or studs required. Patented design innovation. *An exclusive SELECT benefit.*



CONSISTENT TEMPLATING

Hole pattern is identical on both Standard and Heavy Duty models, so SELECT hinges line up precisely for easier and faster installation. *An exclusive SELECT benefit.*



COATED FASTENERS

Provide additional corrosion protection with either self-drilling, thread-forming (SDTF) or thread-forming (TF) screws. *An exclusive SELECT benefit.*



CUSTOM COLORS

Match any paint color on the gear cap or the entire hinge and fasteners, including our always-in-stock Bone White gear caps. Anodized colors also available.

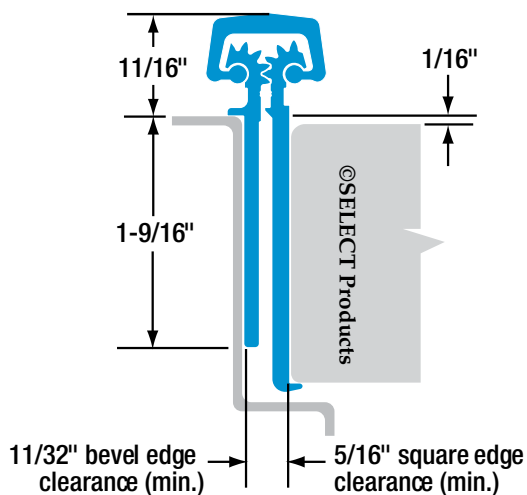
SELECT Hinge Performance

- A SELECT geared continuous hinge has been tested in accordance with ANSI 250.4-1994 test procedure and acceptance criteria for physical endurance for steel doors and hardware and has surpassed 25,000,000 cycles during testing by an independent laboratory. On a door cycling 400,000 times per year, a SELECT hinge will be performing for over 62 years.
- SELECT geared continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- The revolutionary SELECT geared continuous hinge puts an end to costly and irritating hinge failure problems, the most common cause of entrance failure.
- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
- SELECT geared continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier. When the door is closed, there are no accessible screws, bolts or pins.
- SELECT SL11 geared continuous hinges are listed and tested by Underwriters Laboratories to meet the Positive and Negative pressure requirements of UL10B and UL10C, and are in accordance with UBC 7.2 (1997). SELECT SL11 geared continuous hinges are for use on swinging single fire doors (max. door opening of 4'x10') or pairs of fire doors (max. door opening of 8'x10'), including double egress, installed in masonry or drywall. SELECT SL11 geared continuous hinges are rated for up to 1-1/2 hours for wood composite and wood core type fire doors. A special patented process can be added to increase the fire rating to 3 hours (NO FIRE PINS OR STUDS REQUIRED) for hollow metal or steel covered composite type doors.





- Narrow frame leaf allows for weatherstripping or smoke seal
- Door edge protector
- 1/16" door inset
- For 1-3/4" doors



NOTES:



prove SELECT hinges withstand 25 million cycles — more than 60 years of high-traffic use. Pair-Matched™ hinge leaves, lifetime lubrication and anodizing after machining deliver the longest life of any continuous hinge.

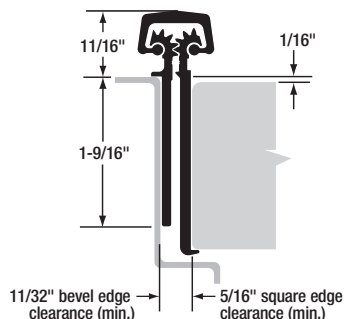
Continuous Warranty. It covers any failure of our aluminum geared continuous hinges — with no expiration date — as long as they are properly installed. Durability and worry-free performance ... guaranteed in writing. ***The warranty that never ends for the hinge that never quits.SM***

wedges and other tools in the Forced Entry Test.
Approved for use in U.S. embassies overseas.

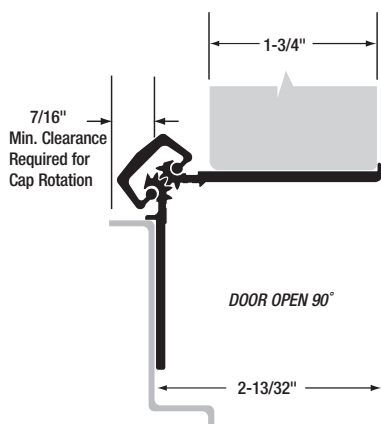
Geared to ship in



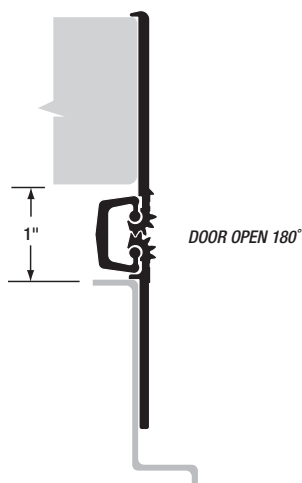
SELECT ships hinges faster than anyone in the industry. 99.9% of our hinge orders ship in 48 hours; more than half are shipped in only 24 hours. Projects won't be delayed while waiting weeks for hinges.



DOOR CLOSED



DOOR OPEN 90°



DOOR OPEN 180°

MATERIAL: Extruded 6063 T6 aluminum alloy with self-lubricating polyester thrust bearings.

LENGTHS: 83", 85", 95" and 120" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY RATINGS: For 1-3/4" doors.
48" max. door width in 16 gauge hollow metal (min.) or 1/8" aluminum (min.).

Standard Duty — Tested per BHMA standards for medium-frequency doors up to 200 lb. without frame or door reinforcement.

Heavy Duty — Tested per BHMA standards. Up to 200 lb. doors (high-frequency) and up to 400 lb. doors (medium-frequency) without frame or door reinforcement; up to 600 lb. doors (low-frequency) with the use of Rivnuts in the frame and door.

FINISHES: All SL14 hinges are stocked in 204R1 Clear (.4-.7 mil) AA-M12C22A31 and 215R1 Dark Bronze (.7 mil and thicker) AA-M12C22A44 anodized aluminum. Custom anodized or painted finishes are available. Product painted or anodized in the field voids the SELECT hinge warranty.

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify length, finish and standard duty (SD) or heavy duty (HD). Also, specify door and frame screw applications. 12-24 x 3/4" self-drilling, thread-forming 410SS Phillips undercut flathead screws are provided as a standard pack unless otherwise specified. Wood and thread-forming screws also available. Security screws optional at extra cost.

AVAILABLE ELECTRIC PREPS: EPT, ATW, EMS, CTW4, CTW5, CTW8, CTW10, CTW12, CMG, AP and RP. For CTW12 prep, please consult factory for engineering approval.

BHMA CERTIFICATION: SL14SD and SL14HD geared continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.



SL14 HINGE SCREW COUNT

HINGE LENGTH & DUTY RATING	DOOR SCREWS	FRAME SCREWS
83" SD/HD	19	19
85" SD/HD	19	19
95" SD/HD	21	21
120" HD	23	23

SPECIFICATIONS

SL14 Concealed Geared Continuous Hinge



SELECT Advantages



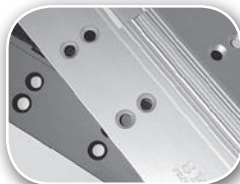
PAIR-MATCHED™ HINGE LEAVES

Manufactured together, machined together and anodized together, making SELECT hinges fit your doors better and last longer. *An exclusive SELECT benefit.*



LIFETIME LUBRICATION

Eliminates the need for periodic maintenance. Quiet performance. Fights gear cap wear. *An exclusive SELECT benefit.*



ANODIZED AFTER MACHINING

Delivers superior wear, durability and life. Inhibits corrosion. Few hinge makers follow SELECT's lead in using this superior manufacturing process.



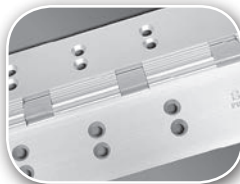
MEETS LEED REQUIREMENTS

Made from recycled aluminum. Reduces environmental impact and qualifies for LEED points. *An exclusive SELECT benefit.*



PATENTED 3-HR. FIRE RATING

Most SELECT hinges are fire rated for **90 minutes**. **3-Hr. fire rating**, optional at extra cost, approved for positive/negative pressure. No fire pins or studs required. Patented design innovation. *An exclusive SELECT benefit.*



CONSISTENT TEMPLATING

Hole pattern is identical on both Standard and Heavy Duty models, so SELECT hinges line up precisely for easier and faster installation. *An exclusive SELECT benefit.*



COATED FASTENERS

Provide additional corrosion protection with either self-drilling, thread-forming (SDTF) or thread-forming (TF) screws. *An exclusive SELECT benefit.*



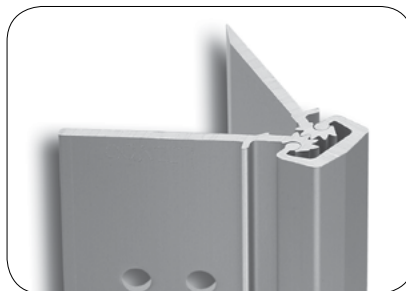
CUSTOM COLORS

Match any paint color on the gear cap or the entire hinge and fasteners, including our always-in-stock Bone White gear caps. Anodized colors also available.

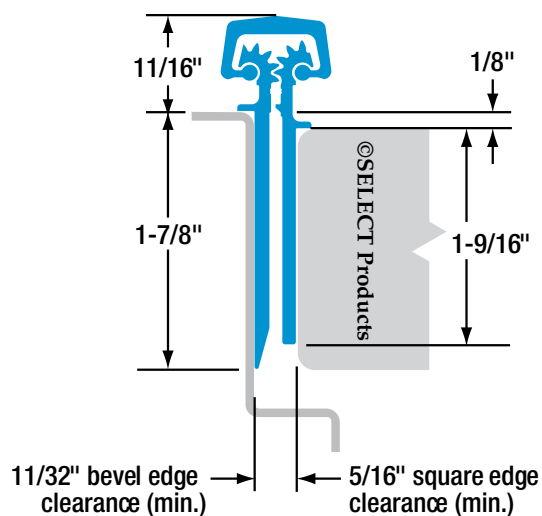
SELECT Hinge Performance

- A SELECT geared continuous hinge has been tested in accordance with ANSI 250.4-1994 test procedure and acceptance criteria for physical endurance for steel doors and hardware and has surpassed 25,000,000 cycles during testing by an independent laboratory. On a door cycling 400,000 times per year, a SELECT hinge will be performing for over 62 years.
- SELECT geared continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- The revolutionary SELECT geared continuous hinge puts an end to costly and irritating hinge failure problems, the most common cause of entrance failure.
- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
- SELECT SL14 geared continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier. When the door is closed, there are no accessible screws, bolts or pins.
- SELECT SL14 geared continuous hinges are listed and tested by Underwriters Laboratories to meet the Positive and Negative pressure requirements of UL10B and UL10C, and are in accordance with UBC 7.2 (1997). SELECT SL14 geared continuous hinges are for use on swinging single fire doors (max. door opening of 4'x10') or pairs of fire doors (max. door opening of 8'x10'), including double egress, installed in masonry or drywall. SELECT SL14 geared continuous hinges are rated for up to 1-1/2 hours for wood composite and wood core type fire doors. A special patented process can be added to increase the fire rating to 3 hours (NO FIRE PINS OR STUDS REQUIRED) for hollow metal or steel covered composite type doors.





- Beveled frame leaf allows for weatherstripping or smoke seal
- 1/8" door inset
- For 1-3/4" doors



SL18

Concealed Geared Continuous Hinge



Tested to last six decades



Reduce maintenance costs and hassles. Independent lab tests on an FRP door

prove SELECT hinges withstand 25 million cycles — more than 60 years of high-traffic use. Pair-Matched™ hinge leaves, lifetime lubrication and anodizing after machining deliver the longest life of any continuous hinge.

Covered by the only Continuous Warranty



Because SELECT geared continuous hinges have proven themselves in independent testing, we offer the industry's only

Continuous Warranty. It covers any failure of our aluminum geared continuous hinges — with no expiration date — as long as they are properly installed. Durability and worry-free performance ... guaranteed in writing. *The warranty that never ends for the hinge that never quits.*SM

Certified by the U.S. Department of State



After brutal testing, the State Department granted a SELECT geared continuous hinge its 60-minute certification — the department's highest level. The hinge deflected bullets in the Ballistic Resistance Test and withstood sledgehammers,

wedges and other tools in the Forced Entry Test. Approved for use in U.S. embassies overseas.

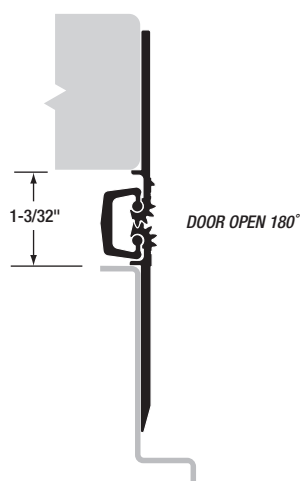
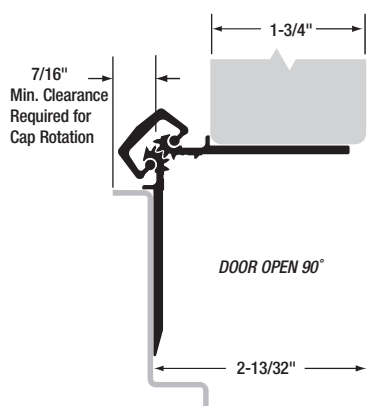
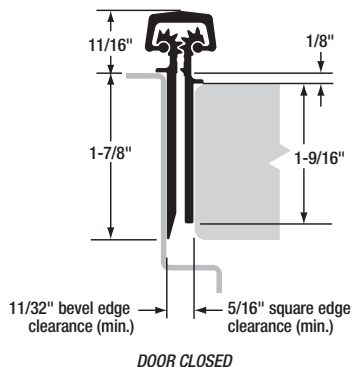
Geared to ship in 48 hours

Geared to ship in



SELECT ships hinges faster than anyone in the industry. 99.9% of our hinge orders ship in 48 hours; more than half are shipped in only 24 hours. Projects won't be delayed while waiting weeks for hinges.

NOTES:



MATERIAL: Extruded 6063 T6 aluminum alloy with self-lubricating polyester thrust bearings.

LENGTHS: 83", 85", 95" and 120" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY RATINGS: For 1-3/4" doors.
48" max. door width in 16 gauge hollow metal (min.) or 1/8" aluminum (min.).

Standard Duty — Tested per BHMA standards for medium-frequency doors up to 200 lb. without frame or door reinforcement.

Heavy Duty — Tested per BHMA standards. Up to 200 lb. doors (high-frequency) and up to 400 lb. doors (medium-frequency) without frame or door reinforcement; up to 600 lb. doors (low-frequency) with the use of Rivnuts in the frame and door.

Heavy Duty (LL) — Our HD hinge with additional fastener holes for low-frequency doors up to 1,000 lb., including most lead-lined doors. Rivnuts are recommended in the frame and door on extremely tall, extremely heavy or wide doors.

FINISHES: All SL18 hinges are stocked in 204R1 Clear (.4-.7 mil) AA-M12C22A31 and 215R1 Dark Bronze (.7 mil and thicker) AA-M12C22A44 anodized aluminum. Custom anodized or painted finishes are available. Product painted or anodized in the field voids the SELECT hinge warranty.

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify length, finish and standard duty (SD), heavy duty (HD) or heavy duty with additional fastener holes (LL). Also, specify door and frame screw applications. 12-24 x 3/4" self-drilling, thread-forming 410SS Phillips undercut flathead screws are provided as a standard pack unless otherwise specified. Wood and thread-forming screws also available. Security screws optional at extra cost.

AVAILABLE ELECTRIC PREPS: EPT, ATW, EMS, CTW4, CTW5, CTW8, CTW10, CTW12, CMG, AP and RP. For CTW12 prep, please consult factory for engineering approval.

BHMA CERTIFICATION: SL18SD, SL18HD and SL18LL geared continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.



SL18 HINGE SCREW COUNT

HINGE LENGTH & DUTY RATING	DOOR SCREWS	FRAME SCREWS
83" SD/HD	19	19
85" SD/HD	19	19
95" SD/HD	21	21
120" SD/HD	23	23
83" LL	26	26
85" LL	26	26
95" LL	30	30
120" LL	34	34

SELECT Advantages



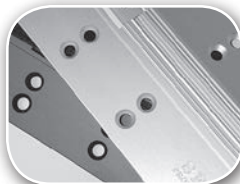
PAIR-MATCHED™ HINGE LEAVES

Manufactured together, machined together and anodized together, making SELECT hinges fit your doors better and last longer. *An exclusive SELECT benefit.*



LIFETIME LUBRICATION

Eliminates the need for periodic maintenance. Quiet performance. Fights gear cap wear. *An exclusive SELECT benefit.*



ANODIZED AFTER MACHINING

Delivers superior wear, durability and life. Inhibits corrosion. Few hinge makers follow SELECT's lead in using this superior manufacturing process.



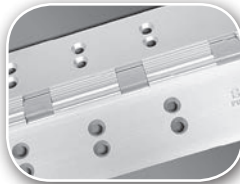
MEETS LEED REQUIREMENTS

Made from recycled aluminum. Reduces environmental impact and qualifies for LEED points. *An exclusive SELECT benefit.*



PATENTED 3-HR. FIRE RATING

Most SELECT hinges are fire rated for **90 minutes. 3-Hr. fire rating**, optional at extra cost, approved for positive/negative pressure. No fire pins or studs required. Patented design innovation. *An exclusive SELECT benefit.*



CONSISTENT TEMPLATING

Hole pattern is identical on both Standard and Heavy Duty models, so SELECT hinges line up precisely for easier and faster installation. *An exclusive SELECT benefit.*



COATED FASTENERS

Provide additional corrosion protection with either self-drilling, thread-forming (SDTF) or thread-forming (TF) screws. *An exclusive SELECT benefit.*



CUSTOM COLORS

Match any paint color on the gear cap or the entire hinge and fasteners, including our always-in-stock Bone White gear caps. Anodized colors also available.

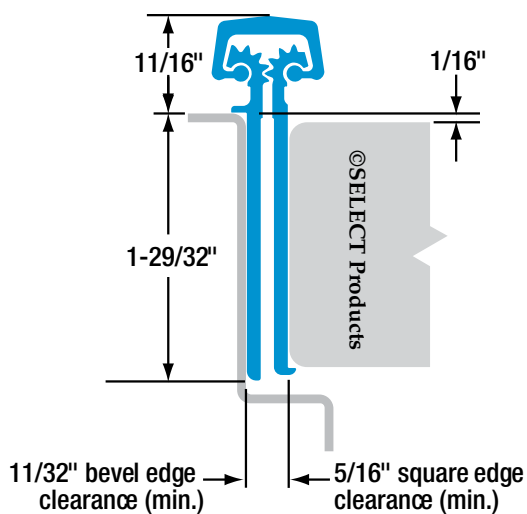
SELECT Hinge Performance

- A SELECT geared continuous hinge has been tested in accordance with ANSI 250.4-1994 test procedure and acceptance criteria for physical endurance for steel doors and hardware and has surpassed 25,000,000 cycles during testing by an independent laboratory. On a door cycling 400,000 times per year, a SELECT hinge will be performing for over 62 years.
- SELECT geared continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- The revolutionary SELECT geared continuous hinge puts an end to costly and irritating hinge failure problems, the most common cause of entrance failure.
- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
- SELECT geared continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier. When the door is closed, there are no accessible screws, bolts or pins.
- SELECT SL18 geared continuous hinges are listed and tested by Underwriters Laboratories to meet the Positive and Negative pressure requirements of UL10B and UL10C, and are in accordance with UBC 7.2 (1997). SELECT SL18 geared continuous hinges are for use on swinging single fire doors (max. door opening of 4'x10') or pairs of fire doors (max. door opening of 8'x10'), including double egress, installed in masonry or drywall. SELECT SL18 geared continuous hinges are rated for up to 1-1/2 hours for wood composite and wood core type fire doors. A special patented process can be added to increase the fire rating to 3 hours (NO FIRE PINS OR STUDS REQUIRED) for hollow metal or steel covered composite type doors.





- Door edge protector
- Frame leaf covers butt hinge preps
- 1/16" door inset
- For 1-3/4" doors



NOTES:



prove SELECT hinges withstand 25 million cycles — more than 60 years of high-traffic use. Pair-Matched™ hinge leaves, lifetime lubrication and anodizing after machining deliver the longest life of any continuous hinge.

Tested to last 60+ years
**CONTINUOUS
WARRANTY** TM

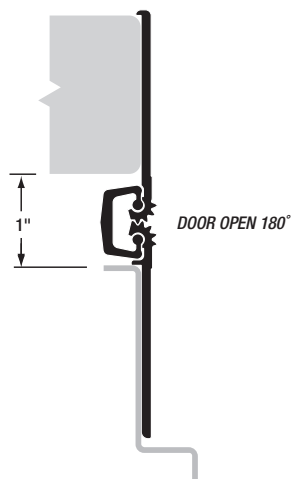
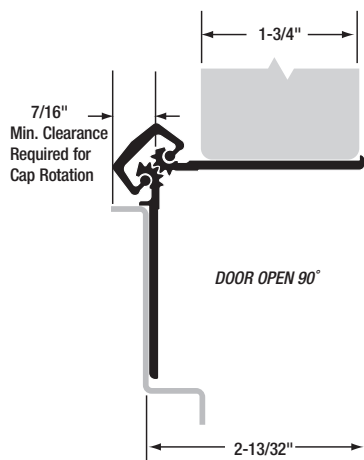
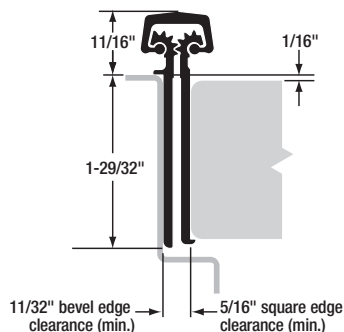
Continuous Warranty. It covers any failure of our aluminum geared continuous hinges — with no expiration date — as long as they are properly installed. Durability and worry-free performance ... guaranteed in writing. ***The warranty that never ends for the hinge that never quits.SM***

wedges and other tools in the Forced Entry Test.
Approved for use in U.S. embassies overseas.

Geared to ship in



SELECT ships hinges faster than anyone in the industry. 99.9% of our hinge orders ship in 48 hours; more than half are shipped in only 24 hours. Projects won't be delayed while waiting weeks for hinges.



MATERIAL: Extruded 6063 T6 aluminum alloy with self-lubricating polyester thrust bearings.

LENGTHS: 83", 85", 95" and 120" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY RATINGS: For 1-3/4" doors.
48" max. door width in 16 gauge hollow metal (min.)
or 1/8" aluminum (min.).

Standard Duty – Tested per BHMA standards for medium-frequency doors up to 200 lb. without frame or door reinforcement.

Heavy Duty – Tested per BHMA standards. Up to 200 lb. doors (high-frequency) and up to 400 lb. doors (medium-frequency) without frame or door reinforcement; up to 600 lb. doors (low-frequency) with the use of Rivnuts in the frame and door.

Heavy Duty (LL) – Our HD hinge with additional fastener holes for low-frequency doors up to 1,000 lb., including most lead-lined doors. Rivnuts are recommended in the frame and door on extremely tall, extremely heavy or wide doors.

FINISHES: All SL24 hinges are stocked in 204R1 Clear (.4-.7 mil) AA-M12C22A31 and 215R1 Dark Bronze (.7 mil and thicker) AA-M12C22A44 anodized aluminum. Custom anodized or painted finishes are available. Product painted or anodized in the field voids the SELECT hinge warranty.

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify length, finish and standard duty (SD), heavy duty (HD) or heavy duty with additional fastener holes (LL). Also, specify door and frame screw applications. 12-24 x 3/4" self-drilling, thread-forming 410SS Phillips undercut flathead screws are provided as a standard pack unless otherwise specified. Wood and thread-forming screws also available. Security screws optional at extra cost.

AVAILABLE ELECTRIC PREPS: EPT, ATW, EMS, CTW4, CTW5, CTW8, CTW10, CTW12, CMG, AP and RP. For CTW12 prep, please consult factory for engineering approval.

BHMA CERTIFICATION: SL24SD, SL24HD and SL24LL geared continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.



SL24 HINGE SCREW COUNT

HINGE LENGTH & DUTY RATING	DOOR SCREWS	FRAME SCREWS
79" HD	19	19
83" SD/HD	19	19
85" SD/HD	19	19
95" SD/HD	21	21
120" SD/HD	23	23
83" LL	26	26
85" LL	26	26
95" LL	30	30
120" LL	34	34

SPECIFICATIONS

SL24 Concealed Geared Continuous Hinge



SELECT Advantages



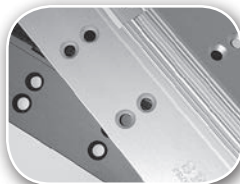
PAIR-MATCHED™ HINGE LEAVES

Manufactured together, machined together and anodized together, making SELECT hinges fit your doors better and last longer. *An exclusive SELECT benefit.*



LIFETIME LUBRICATION

Eliminates the need for periodic maintenance. Quiet performance. Fights gear cap wear. *An exclusive SELECT benefit.*



ANODIZED AFTER MACHINING

Delivers superior wear, durability and life. Inhibits corrosion. Few hinge makers follow SELECT's lead in using this superior manufacturing process.



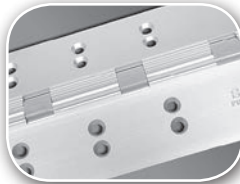
MEETS LEED REQUIREMENTS

Made from recycled aluminum. Reduces environmental impact and qualifies for LEED points. *An exclusive SELECT benefit.*



PATENTED 3-HR. FIRE RATING

Most SELECT hinges are fire rated for **90 minutes. 3-Hr. fire rating**, optional at extra cost, approved for positive/negative pressure. No fire pins or studs required. Patented design innovation. *An exclusive SELECT benefit.*



CONSISTENT TEMPLATING

Hole pattern is identical on both Standard and Heavy Duty models, so SELECT hinges line up precisely for easier and faster installation. *An exclusive SELECT benefit.*



COATED FASTENERS

Provide additional corrosion protection with either self-drilling, thread-forming (SDTF) or thread-forming (TF) screws. *An exclusive SELECT benefit.*



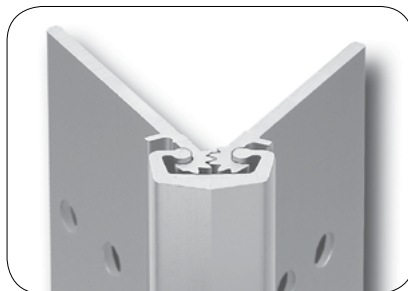
CUSTOM COLORS

Match any paint color on the gear cap or the entire hinge and fasteners, including our always-in-stock Bone White gear caps. Anodized colors also available.

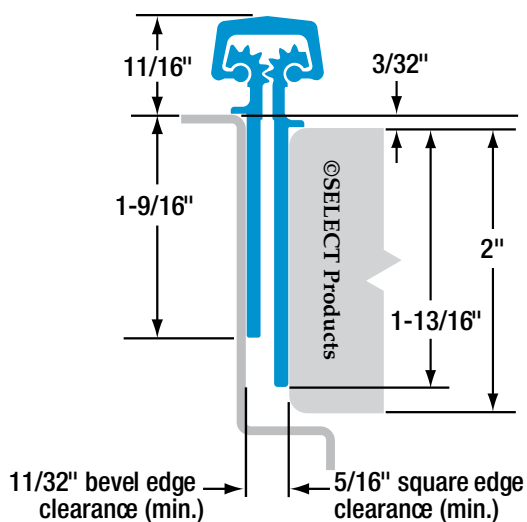
SELECT Hinge Performance

- A SELECT geared continuous hinge has been tested in accordance with ANSI 250.4-1994 test procedure and acceptance criteria for physical endurance for steel doors and hardware and has surpassed 25,000,000 cycles during testing by an independent laboratory. On a door cycling 400,000 times per year, a SELECT hinge will be performing for over 62 years.
- SELECT geared continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- The revolutionary SELECT geared continuous hinge puts an end to costly and irritating hinge failure problems, the most common cause of entrance failure.
- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
- SELECT geared continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier. When the door is closed, there are no accessible screws, bolts or pins.
- SELECT SL24 geared continuous hinges are listed and tested by Underwriters Laboratories to meet the Positive and Negative pressure requirements of UL10B and UL10C, and are in accordance with UBC 7.2 (1997). SELECT SL24 geared continuous hinges are for use on swinging single fire doors (max. door opening of 4'x10') or pairs of fire doors (max. door opening of 8'x10'), including double egress, installed in masonry or drywall. SELECT SL24 geared continuous hinges are rated for up to 1-1/2 hours for wood composite and wood core type fire doors. A special patented process can be added to increase the fire rating to 3 hours (NO FIRE PINS OR STUDS REQUIRED) for hollow metal or steel covered composite type doors.





- For 2" to 2-1/4" doors
- Narrow frame leaf
- Staggered hole pattern
- For doors up to 1,000 lb.
- 3/32" door inset



SL26

Concealed Geared Continuous Hinge



SL26
2" doors

Tested to last six decades



Reduce maintenance costs and hassles. Independent lab tests on an FRP door

prove SELECT hinges withstand 25 million cycles — more than 60 years of high-traffic use. Pair-Matched™ hinge leaves, lifetime lubrication and anodizing after machining deliver the longest life of any continuous hinge.

Covered by the only Continuous Warranty



Because SELECT geared continuous hinges have proven themselves in independent testing, we offer the industry's only

Continuous Warranty. It covers any failure of our aluminum geared continuous hinges — with no expiration date — as long as they are properly installed. Durability and worry-free performance ... guaranteed in writing. *The warranty that never ends for the hinge that never quits.*SM

Certified by the U.S. Department of State



After brutal testing, the State Department granted a SELECT geared continuous hinge its 60-minute certification — the department's highest level. The hinge deflected bullets in the Ballistic Resistance Test and withstood sledgehammers,

wedges and other tools in the Forced Entry Test. Approved for use in U.S. embassies overseas.

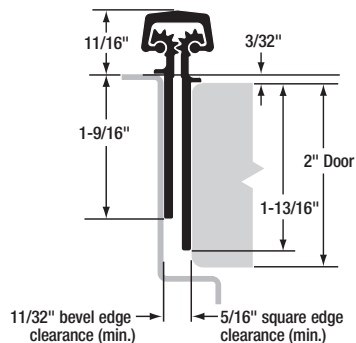
Geared to ship in 48 hours

Geared to ship in

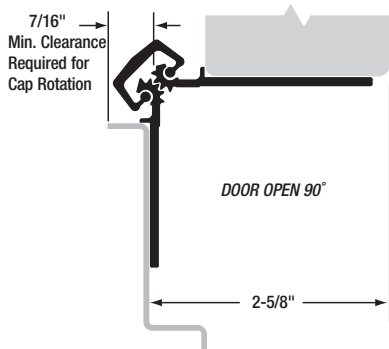


SELECT ships hinges faster than anyone in the industry. 99.9% of our hinge orders ship in 48 hours; more than half are shipped in only 24 hours. Projects won't be delayed while waiting weeks for hinges.

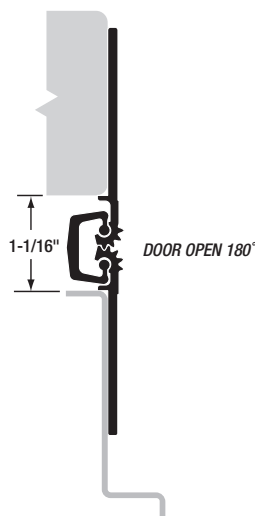
NOTES:



DOOR CLOSED



DOOR OPEN 90°



DOOR OPEN 180°

MATERIAL: Extruded 6063 T6 aluminum alloy with self-lubricating polyester thrust bearings.

LENGTHS: 83", 85", 95" and 120" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY RATING: For 2" to 2-1/4" doors. 48" max. door width in 16 gauge hollow metal (min.) or 1/8" aluminum (min.).

Heavy Duty (LL) - For low-frequency doors up to 1,000 lb., including most lead-lined doors. Rivnuts are recommended in the frame and door on extremely tall, extremely heavy or wide doors.

FINISHES: All SL26 hinges are stocked in 204R1 Clear (.4-.7 mil) AA-C12C22A31 and 215R1 Dark Bronze (.7 mil and thicker) AA-M12C22A44 anodized aluminum. Custom anodized or painted finishes are available. Product painted or anodized in the field voids the SELECT hinge warranty.

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify length, finish and heavy duty with additional fastener holes (LL). Also, specify door and frame screw applications. 12-24 x 3/4" self-drilling, thread-forming 410SS Phillips undercut flathead screws are provided as a standard pack unless otherwise specified. Wood and thread-forming screws also available. Security screws optional at extra cost.

AVAILABLE ELECTRIC PREPS: EPT, ATW, EMS, CTW4, CTW5, CTW8, CTW10, CTW12, CMG, AP and RP. For CTW12 prep, please consult factory for engineering approval.

BHMA CERTIFICATION: SL26LL geared continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.



SL26 HINGE SCREW COUNT

HINGE LENGTH & DUTY RATING	DOOR SCREWS	FRAME SCREWS
83" LL	25	25
85" LL	25	25
95" LL	29	29
120" LL	33	33

SPECIFICATIONS

SL26 Concealed Geared Continuous Hinge



SELECT Advantages



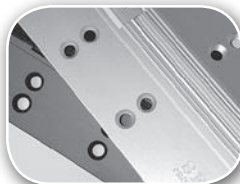
PAIR-MATCHED™ HINGE LEAVES

Manufactured together, machined together and anodized together, making SELECT hinges fit your doors better and last longer. *An exclusive SELECT benefit.*



LIFETIME LUBRICATION

Eliminates the need for periodic maintenance. Quiet performance. Fights gear cap wear. *An exclusive SELECT benefit.*



ANODIZED AFTER MACHINING

Delivers superior wear, durability and life. Inhibits corrosion. Few hinge makers follow SELECT's lead in using this superior manufacturing process.



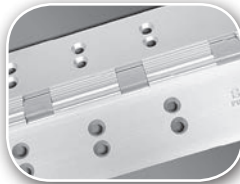
MEETS LEED REQUIREMENTS

Made from recycled aluminum. Reduces environmental impact and qualifies for LEED points. *An exclusive SELECT benefit.*



PATENTED 3-HR. FIRE RATING

Most SELECT hinges are fire rated for **90 minutes. 3-Hr. fire rating**, optional at extra cost, approved for positive/negative pressure. No fire pins or studs required. Patented design innovation. *An exclusive SELECT benefit.*



CONSISTENT TEMPLATING

Hole pattern is identical on both Standard and Heavy Duty models, so SELECT hinges line up precisely for easier and faster installation. *An exclusive SELECT benefit.*



COATED FASTENERS

Provide additional corrosion protection with either self-drilling, thread-forming (SDTF) or thread-forming (TF) screws. *An exclusive SELECT benefit.*



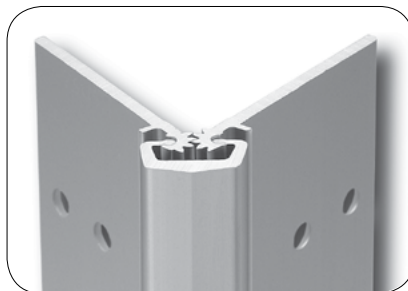
CUSTOM COLORS

Match any paint color on the gear cap or the entire hinge and fasteners, including our always-in-stock Bone White gear caps. Anodized colors also available.

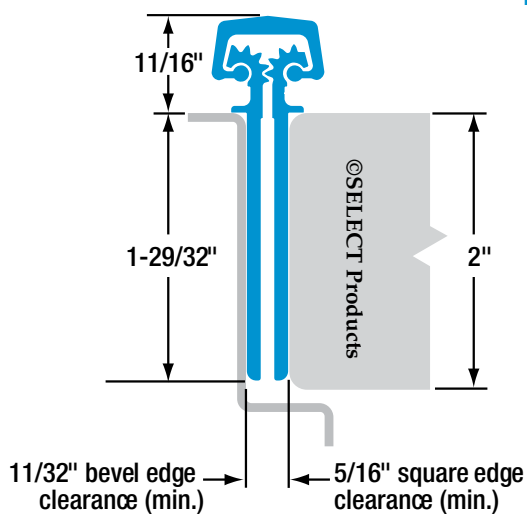
SELECT Hinge Performance

- A SELECT geared continuous hinge has been tested in accordance with ANSI 250.4-1994 test procedure and acceptance criteria for physical endurance for steel doors and hardware and has surpassed 25,000,000 cycles during testing by an independent laboratory. On a door cycling 400,000 times per year, a SELECT hinge will be performing for over 62 years.
- SELECT geared continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
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- SELECT geared continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier. When the door is closed, there are no accessible screws, bolts or pins.
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- For 2" to 2-1/4" doors
- Frame leaf covers butt hinge preps
- Staggered hole pattern
- For doors up to 1,000 lb.
- Flush mounted (no door inset)



SL27

Concealed Geared Continuous Hinge



SL27
2" doors

Tested to last six decades



Reduce maintenance costs and hassles. Independent lab tests on an FRP door

prove SELECT hinges withstand 25 million cycles — more than 60 years of high-traffic use. Pair-Matched™ hinge leaves, lifetime lubrication and anodizing after machining deliver the longest life of any continuous hinge.

Covered by the only Continuous Warranty



Because SELECT geared continuous hinges have proven themselves in independent testing, we offer the industry's only

Continuous Warranty. It covers any failure of our aluminum geared continuous hinges — with no expiration date — as long as they are properly installed. Durability and worry-free performance ... guaranteed in writing. *The warranty that never ends for the hinge that never quits.*SM

Certified by the U.S. Department of State



After brutal testing, the State Department granted a SELECT geared continuous hinge its 60-minute certification — the department's highest level. The hinge deflected bullets in the Ballistic Resistance Test and withstood sledgehammers,

wedges and other tools in the Forced Entry Test. Approved for use in U.S. embassies overseas.

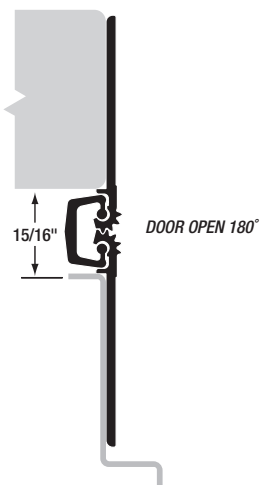
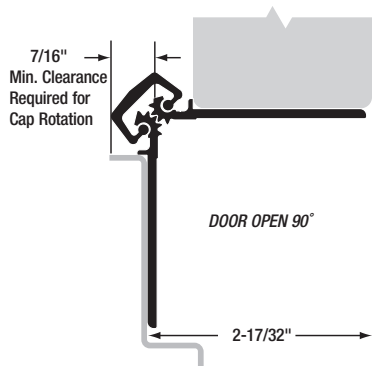
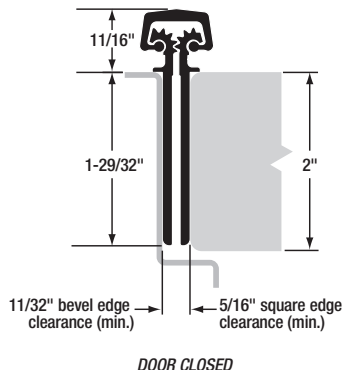
Geared to ship in 48 hours

Geared to ship in



SELECT ships hinges faster than anyone in the industry. 99.9% of our hinge orders ship in 48 hours; more than half are shipped in only 24 hours. Projects won't be delayed while waiting weeks for hinges.

NOTES:



MATERIAL: Extruded 6063 T6 aluminum alloy with self-lubricating polyester thrust bearings.

LENGTHS: 83", 85", 95" and 120" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY RATING: For 2" to 2-1/4" doors. 48" max. door width in 16 gauge hollow metal (min.) or 1/8" aluminum (min.).

Heavy Duty (LL) - For low-frequency doors up to 1,000 lb., including most lead-lined doors. Rivnuts are recommended in the frame and door on extremely tall, extremely heavy or wide doors.

FINISHES: All SL27 hinges are stocked in 204R1 Clear (.4-.7 mil) AA-M12C22A31 and 215R1 Dark Bronze (.7 mil and thicker) AA-M12C22A44 anodized aluminum. Custom anodized or painted finishes are available. Product painted or anodized in the field voids the SELECT hinge warranty.

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify length, finish and heavy duty with additional fastener holes (LL). Also, specify door and frame screw applications. 12-24 x 3/4" self-drilling, thread-forming 410SS Phillips undercut flathead screws are provided as a standard pack unless otherwise specified. Wood and thread-forming screws also available. Security screws optional at extra cost.

AVAILABLE ELECTRIC PREPS: EPT, ATW, EMS, CTW4, CTW5, CTW8, CTW10, CTW12, CMG, AP and RP. For CTW12 prep, please consult factory for engineering approval.

BHMA CERTIFICATION: SL27LL geared continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.



SL27 HINGE SCREW COUNT

HINGE LENGTH & DUTY RATING	DOOR SCREWS	FRAME SCREWS
83" LL	25	25
85" LL	25	25
95" LL	29	29
120" LL	33	33

SPECIFICATIONS

SL27 Concealed Geared Continuous Hinge



SELECT Advantages



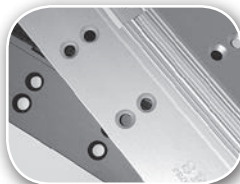
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LIFETIME LUBRICATION

Eliminates the need for periodic maintenance. Quiet performance. Fights gear cap wear. *An exclusive SELECT benefit.*



ANODIZED AFTER MACHINING

Delivers superior wear, durability and life. Inhibits corrosion. Few hinge makers follow SELECT's lead in using this superior manufacturing process.



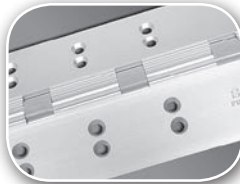
MEETS LEED REQUIREMENTS

Made from recycled aluminum. Reduces environmental impact and qualifies for LEED points. *An exclusive SELECT benefit.*



PATENTED 3-HR. FIRE RATING

Most SELECT hinges are fire rated for **90 minutes. 3-Hr. fire rating**, optional at extra cost, approved for positive/negative pressure. No fire pins or studs required. Patented design innovation. *An exclusive SELECT benefit.*



CONSISTENT TEMPLATING

Hole pattern is identical on both Standard and Heavy Duty models, so SELECT hinges line up precisely for easier and faster installation. *An exclusive SELECT benefit.*



COATED FASTENERS

Provide additional corrosion protection with either self-drilling, thread-forming (SDTF) or thread-forming (TF) screws. *An exclusive SELECT benefit.*



CUSTOM COLORS

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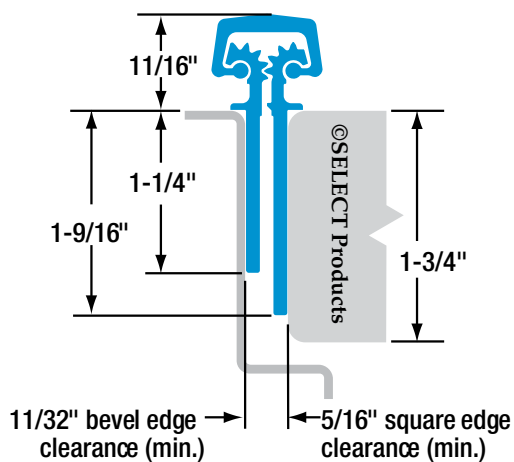
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- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
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- Flush mounted (no door inset)
- For 1-3/4" doors



SL31

Concealed Geared Continuous Hinge



Tested to last six decades



Reduce maintenance costs and hassles. Independent lab tests on an FRP door

prove SELECT hinges withstand 25 million cycles — more than 60 years of high-traffic use. Pair-Matched™ hinge leaves, lifetime lubrication and anodizing after machining deliver the longest life of any continuous hinge.

Covered by the only Continuous Warranty



Because SELECT geared continuous hinges have proven themselves in independent testing, we offer the industry's only

Continuous Warranty. It covers any failure of our aluminum geared continuous hinges — with no expiration date — as long as they are properly installed. Durability and worry-free performance ... guaranteed in writing. *The warranty that never ends for the hinge that never quits.*SM

Certified by the U.S. Department of State



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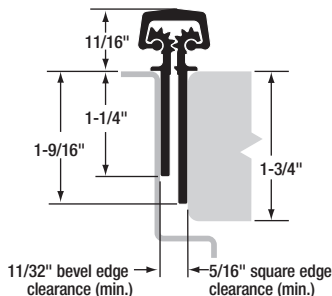
Geared to ship in 48 hours

Geared to ship in

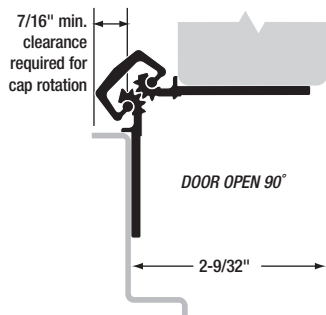


SELECT ships hinges faster than anyone in the industry. 99.9% of our hinge orders ship in 48 hours; more than half are shipped in only 24 hours. Projects won't be delayed while waiting weeks for hinges.

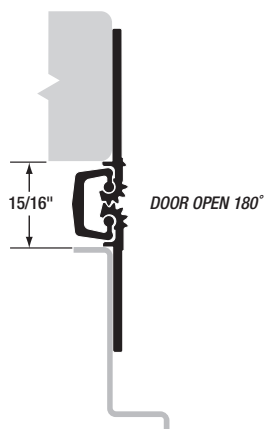
NOTES:



DOOR CLOSED



DOOR OPEN 90°



DOOR OPEN 180°

MATERIAL: Extruded 6063 T6 aluminum alloy with self-lubricating polyester thrust bearings.

LENGTHS: 83" and 95" lengths standard for nominal door heights. Hinges can be cut to shorter lengths. Longer hinges are not available.

LOAD/FREQUENCY RATING: For 1-3/4" doors. 48" max. door width in 16 gauge hollow metal (min.) or 1/8" aluminum (min.).

Heavy Duty — Tested per BHMA standards. Up to 200 lb. doors (high-frequency) and up to 400 lb. doors (medium-frequency) without frame or door reinforcement; up to 600 lb. doors (low-frequency) with the use of Rivnuts in the frame and door.

FINISHES: All SL31 hinges are stocked in 204R1 Clear (.4-.7 mil) AA-M12C22A31 and 215R1 Dark Bronze (.7 mil and thicker) AA-M12C22A44 anodized aluminum. Custom anodized or painted finishes are available. Product painted or anodized in the field voids the SELECT hinge warranty.

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify length, finish and heavy duty (HD). Also, specify door and frame screw applications. 12-24 x 3/4" self-drilling, thread-forming 410SS Phillips undercut flathead screws are provided as a standard pack unless otherwise specified. Wood and thread-forming screws also available. Security screws optional at extra cost.

AVAILABLE ELECTRIC PREPS: EPT, ATW, EMS, CMG, AP and RP.

BHMA CERTIFICATION: SL31HD geared continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.



SL31 HINGE SCREW COUNT

HINGE LENGTH & DUTY RATING	DOOR SCREWS	FRAME SCREWS
83" HD	19	19
95" HD	21	21

SPECIFICATIONS

SL31 Concealed Geared Continuous Hinge



SELECT Advantages



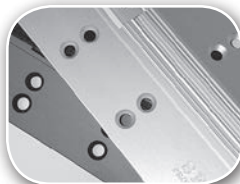
PAIR-MATCHED™ HINGE LEAVES

Manufactured together, machined together and anodized together, making SELECT hinges fit your doors better and last longer. *An exclusive SELECT benefit.*



LIFETIME LUBRICATION

Eliminates the need for periodic maintenance. Quiet performance. Fights gear cap wear. *An exclusive SELECT benefit.*



ANODIZED AFTER MACHINING

Delivers superior wear, durability and life. Inhibits corrosion. Few hinge makers follow SELECT's lead in using this superior manufacturing process.



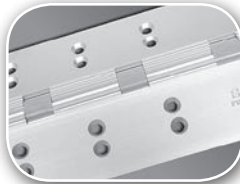
MEETS LEED REQUIREMENTS

Made from recycled aluminum. Reduces environmental impact and qualifies for LEED points. *An exclusive SELECT benefit.*



PATENTED 3-HR. FIRE RATING

Most SELECT hinges are fire rated for **90 minutes. 3-Hr. fire rating**, optional at extra cost, approved for positive/negative pressure. No fire pins or studs required. Patented design innovation. *An exclusive SELECT benefit.*



CONSISTENT TEMPLATING

Hole pattern is identical on both Standard and Heavy Duty models, so SELECT hinges line up precisely for easier and faster installation. *An exclusive SELECT benefit.*



COATED FASTENERS

Provide additional corrosion protection with either self-drilling, thread-forming (SDTF) or thread-forming (TF) screws. *An exclusive SELECT benefit.*



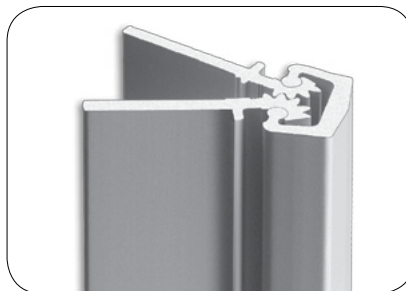
CUSTOM COLORS

Match any paint color on the gear cap or the entire hinge and fasteners, including our always-in-stock Bone White gear caps. Anodized colors also available.

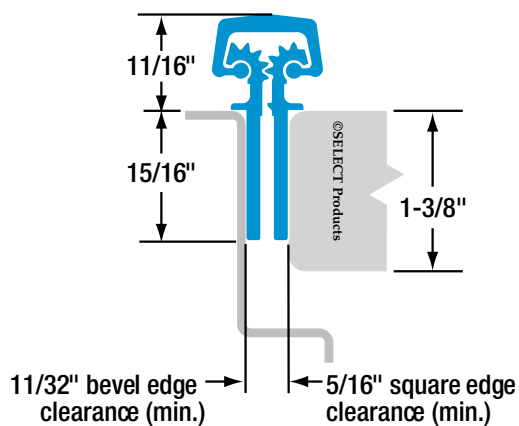
SELECT Hinge Performance

- A SELECT geared continuous hinge has been tested in accordance with ANSI 250.4-1994 test procedure and acceptance criteria for physical endurance for steel doors and hardware and has surpassed 25,000,000 cycles during testing by an independent laboratory. On a door cycling 400,000 times per year, a SELECT hinge will be performing for over 62 years.
- SELECT geared continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- The revolutionary SELECT geared continuous hinge puts an end to costly and irritating hinge failure problems, the most common cause of entrance failure.
- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
- SELECT geared continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier. When the door is closed, there are no accessible screws, bolts or pins.
- SELECT SL31 geared continuous hinges are listed and tested by Underwriters Laboratories to meet the Positive and Negative pressure requirements of UL10B and UL10C, and are in accordance with UBC 7.2 (1997). SELECT SL31 geared continuous hinges are for use on swinging single fire doors (max. door opening of 4'x10') or pairs of fire doors (max. door opening of 8'x10'), including double egress, installed in masonry or drywall. SELECT SL31 geared continuous hinges are rated for up to 1-1/2 hours for wood composite and wood core type fire doors. A special patented process can be added to increase the fire rating to 3 hours (NO FIRE PINS OR STUDS REQUIRED) for hollow metal or steel covered composite type doors.





- For 1" to 1-3/8" doors
- Flush mounted (no door inset)



25 000 002

Reduce maintenance costs and hassles. Independent lab tests on an FRP door

Tested to last 60+ years

**CONTINUOUS
WARRANTY**

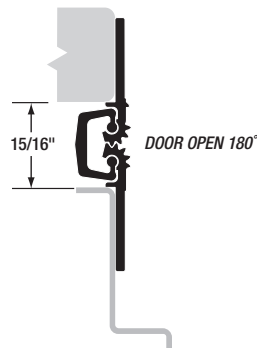
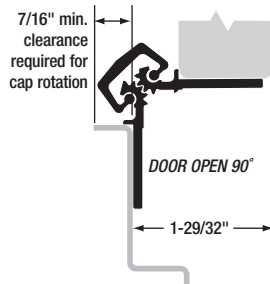
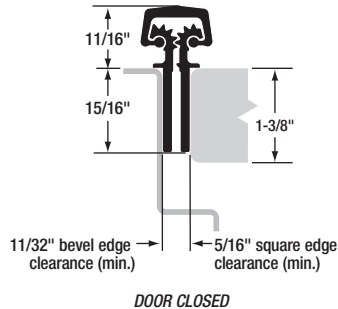
TM

Because SELECT geared continuous hinges have proven themselves in independent testing, we offer the industry's only

Geared to ship in 48 HOURS™

SELECT ships hinges faster than anyone in the industry. 99.9% of our hinge orders ship in 48 hours; more than half are shipped in only 24 hours. Projects won't be delayed while waiting weeks for hinges.

NOTES:



MATERIAL: Extruded 6063 T6 aluminum alloy with self-lubricating polyester thrust bearings.

LENGTHS: 83" and 95" lengths standard for nominal door heights. Hinges can be cut to shorter lengths. Longer hinges are not available.

LOAD/FREQUENCY RATING: For 1" to 1-3/8" doors. 48" max. door width in 16 gauge hollow metal (min.) or 1/8" aluminum (min.).

Standard Duty – Tested per BHMA standards for medium-frequency doors up to 200 lb. without frame or door reinforcement.

FINISHES: All SL38 hinges are stocked in 204R1 Clear (.4-.7 mil) AA-M12C22A31 and 215R1 Dark Bronze (.7 mil and thicker) AA-M12C22A44 anodized aluminum. Custom anodized or painted finishes are available. Product painted or anodized in the field voids the SELECT hinge warranty.

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify length, finish and standard duty (SD). Also, specify door and frame screw applications. 12-24 x 3/4" self-drilling, thread-forming 410SS Phillips undercut flathead screws are provided as a standard pack unless otherwise specified. Wood and thread-forming screws also available. Security screws optional at extra cost.

AVAILABLE ELECTRIC PREPS: EMS, CMG, AP and RP.

SL38 HINGE SCREW COUNT		
HINGE LENGTH & DUTY RATING	DOOR SCREWS	FRAME SCREWS
83" SD	11	11
95" SD	11	11

SPECIFICATIONS

SL38 Concealed Geared Continuous Hinge



SELECT Advantages



PAIR-MATCHED™ HINGE LEAVES

Manufactured together, machined together and anodized together, making SELECT hinges fit your doors better and last longer. *An exclusive SELECT benefit.*



LIFETIME LUBRICATION

Eliminates the need for periodic maintenance. Quiet performance. Fights gear cap wear. *An exclusive SELECT benefit.*



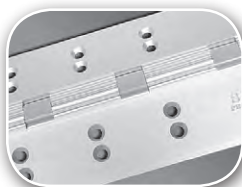
ANODIZED AFTER MACHINING

Delivers superior wear, durability and life. Inhibits corrosion. Few hinge makers follow SELECT's lead in using this superior manufacturing process.



MEETS LEED REQUIREMENTS

Made from recycled aluminum. Reduces environmental impact and qualifies for LEED points. *An exclusive SELECT benefit.*



CONSISTENT TEMPLATING

Hole pattern is identical on both Standard and Heavy Duty models, so SELECT hinges line up precisely for easier and faster installation. *An exclusive SELECT benefit.*



COATED FASTENERS

Provide additional corrosion protection with either self-drilling, thread-forming (SDTF) or thread-forming (TF) screws. *An exclusive SELECT benefit.*



CUSTOM COLORS

Match any paint color on the gear cap or the entire hinge and fasteners, including our always-in-stock Bone White gear caps. Anodized colors also available.

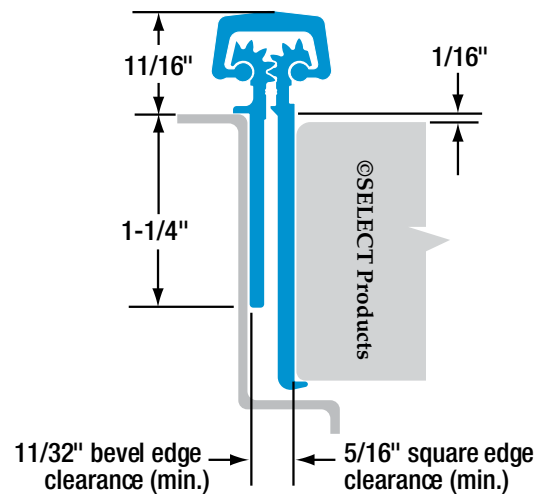
SELECT Hinge Performance

- A SELECT geared continuous hinge has been tested in accordance with ANSI 250.4-1994 test procedure and acceptance criteria for physical endurance for steel doors and hardware and has surpassed 25,000,000 cycles during testing by an independent laboratory. On a door cycling 400,000 times per year, a SELECT hinge will be performing for over 62 years.
- SELECT geared continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- The revolutionary SELECT geared continuous hinge puts an end to costly and irritating hinge failure problems, the most common cause of entrance failure.
- On conventional hinges, opening and "kick-back" energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. "Kick-back" energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge's 4-1/2" to 5" at the top of the door and frame).
- SELECT geared continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier. When the door is closed, there are no accessible screws, bolts or pins.
- SELECT SL38 geared continuous hinges are listed and tested by Underwriters Laboratories to meet the Positive and Negative pressure requirements of UL10B and UL10C, and are in accordance with UBC 7.2 (1997). SELECT SL38 geared continuous hinges are for use on swinging single fire doors (max. door opening of 4'x10') or pairs of fire doors (max. door opening of 8'x10'), including double egress, installed in masonry or drywall. SELECT SL38 geared continuous hinges are rated for up to 1-1/2 hours for wood composite and wood core type fire doors.





- Door edge protector
- 1/16" door inset
- For 1-3/4" doors



SL44

Concealed Geared Continuous Hinge



Tested to last six decades



Reduce maintenance costs and hassles. Independent lab tests on an FRP door

prove SELECT hinges withstand 25 million cycles — more than 60 years of high-traffic use. Pair-Matched™ hinge leaves, lifetime lubrication and anodizing after machining deliver the longest life of any continuous hinge.

Covered by the only Continuous Warranty



Because SELECT geared continuous hinges have proven themselves in independent testing, we offer the industry's only

Continuous Warranty. It covers any failure of our aluminum geared continuous hinges — with no expiration date — as long as they are properly installed. Durability and worry-free performance ... guaranteed in writing. *The warranty that never ends for the hinge that never quits.*SM

Certified by the U.S. Department of State



After brutal testing, the State Department granted a SELECT geared continuous hinge its 60-minute certification — the department's highest level. The hinge deflected bullets in the Ballistic Resistance Test and withstood sledgehammers,

wedges and other tools in the Forced Entry Test. Approved for use in U.S. embassies overseas.

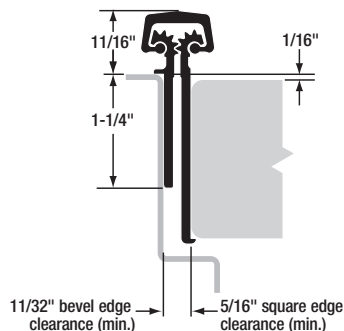
Geared to ship in 48 hours

Geared to ship in

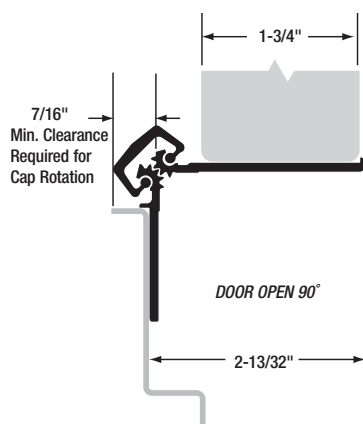


SELECT ships hinges faster than anyone in the industry. 99.9% of our hinge orders ship in 48 hours; more than half are shipped in only 24 hours. Projects won't be delayed while waiting weeks for hinges.

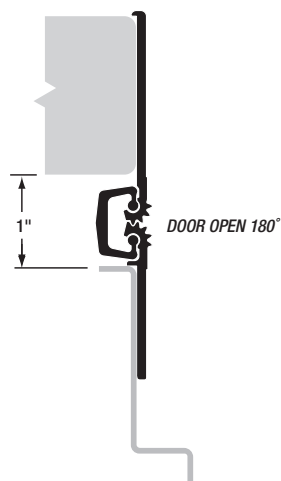
NOTES:



DOOR CLOSED



DOOR OPEN 90°



DOOR OPEN 180°

MATERIAL: Extruded 6063 T6 aluminum alloy with self-lubricating polyester thrust bearings.

LENGTHS: 83" and 95" lengths standard for nominal door heights. Hinges can be cut to shorter lengths. Longer hinges are not available.

LOAD/FREQUENCY RATING: For 1-3/4" doors. 48" max. door width in 16 gauge hollow metal (min.) or 1/8" aluminum (min.).

Heavy Duty — Tested per BHMA standards. Up to 200 lb. doors (high-frequency) and up to 400 lb. doors (medium-frequency) without frame or door reinforcement; up to 600 lb. doors (low-frequency) with the use of Rivnuts in the frame and door.

FINISHES: All SL44 hinges are stocked in 204R1 Clear (.4-.7 mil) AA-M12C22A31 and 215R1 Dark Bronze (.7 mil and thicker) AA-M12C22A44 anodized aluminum. Custom anodized or painted finishes are available. Product painted or anodized in the field voids the SELECT hinge warranty.

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify length, finish and heavy duty (HD). Also, specify door and frame screw applications. 12-24 x 3/4" self-drilling, thread-forming 410SS Phillips undercut flathead screws are provided as a standard pack unless otherwise specified. Wood and thread-forming screws also available. Security screws optional at extra cost.

AVAILABLE ELECTRIC PREPS: EPT, ATW, EMS, CMG, AP and RP.

BHMA CERTIFICATION: SL44HD geared continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.



SL44 HINGE SCREW COUNT

HINGE LENGTH & DUTY RATING	DOOR SCREWS	FRAME SCREWS
83" HD	19	19
95" HD	21	21

SPECIFICATIONS

SL44 Concealed Geared Continuous Hinge



SELECT Advantages



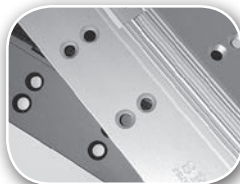
PAIR-MATCHED™ HINGE LEAVES

Manufactured together, machined together and anodized together, making SELECT hinges fit your doors better and last longer. *An exclusive SELECT benefit.*



LIFETIME LUBRICATION

Eliminates the need for periodic maintenance. Quiet performance. Fights gear cap wear. *An exclusive SELECT benefit.*



ANODIZED AFTER MACHINING

Delivers superior wear, durability and life. Inhibits corrosion. Few hinge makers follow SELECT's lead in using this superior manufacturing process.



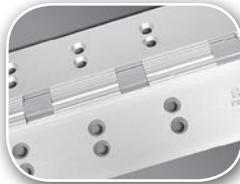
MEETS LEED REQUIREMENTS

Made from recycled aluminum. Reduces environmental impact and qualifies for LEED points. *An exclusive SELECT benefit.*



PATENTED 3-HR. FIRE RATING

Most SELECT hinges are fire rated for **90 minutes. 3-Hr. fire rating**, optional at extra cost, approved for positive/negative pressure. No fire pins or studs required. Patented design innovation. *An exclusive SELECT benefit.*



CONSISTENT TEMPLATING

Hole pattern is identical on both Standard and Heavy Duty models, so SELECT hinges line up precisely for easier and faster installation. *An exclusive SELECT benefit.*



COATED FASTENERS

Provide additional corrosion protection with either self-drilling, thread-forming (SDTF) or thread-forming (TF) screws. *An exclusive SELECT benefit.*



CUSTOM COLORS

Match any paint color on the gear cap or the entire hinge and fasteners, including our always-in-stock Bone White gear caps. Anodized colors also available.

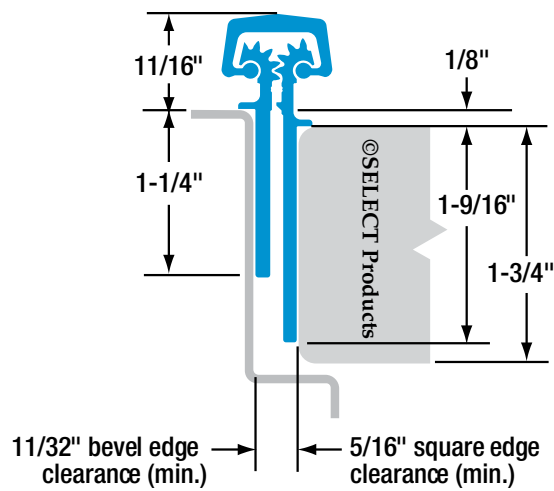
SELECT Hinge Performance

- A SELECT geared continuous hinge has been tested in accordance with ANSI 250.4-1994 test procedure and acceptance criteria for physical endurance for steel doors and hardware and has surpassed 25,000,000 cycles during testing by an independent laboratory. On a door cycling 400,000 times per year, a SELECT hinge will be performing for over 62 years.
- SELECT geared continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- The revolutionary SELECT geared continuous hinge puts an end to costly and irritating hinge failure problems, the most common cause of entrance failure.
- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
- SELECT geared continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier. When the door is closed, there are no accessible screws, bolts or pins.
- SELECT SL44 geared continuous hinges are listed and tested by Underwriters Laboratories to meet the Positive and Negative pressure requirements of UL10B and UL10C, and are in accordance with UBC 7.2 (1997). SELECT SL44 geared continuous hinges are for use on swinging single fire doors (max. door opening of 4'x10') or pairs of fire doors (max. door opening of 8'x10'), including double egress, installed in masonry or drywall. SELECT SL44 geared continuous hinges are rated for up to 1-1/2 hours for wood composite and wood core type fire doors. A special patented process can be added to increase the fire rating to 3 hours (NO FIRE PINS OR STUDS REQUIRED) for hollow metal or steel covered composite type doors.





- 1/8" door inset
- For 1-3/4" doors



NOTES:



prove SELECT hinges withstand 25 million cycles — more than 60 years of high-traffic use. Pair-Matched™ hinge leaves, lifetime lubrication and anodizing after machining deliver the longest life of any continuous hinge.

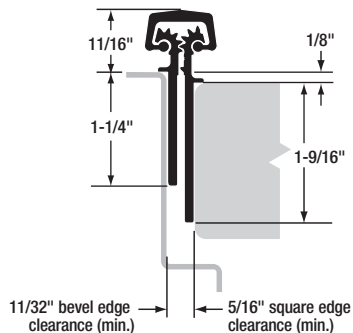
Tested to last 60+ years
**CONTINUOUS
WARRANTY**

Continuous Warranty. It covers any failure of our aluminum geared continuous hinges — with no expiration date — as long as they are properly installed. Durability and worry-free performance ... guaranteed in writing. ***The warranty that never ends for the hinge that never quits.***SM

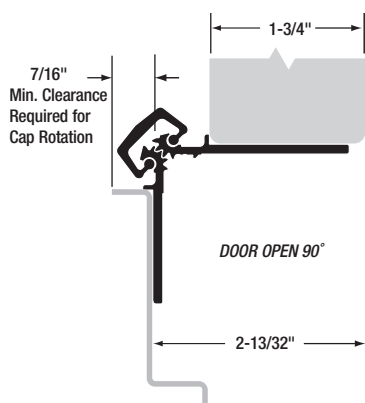
wedges and other tools in the Forced Entry Test.
Approved for use in U.S. embassies overseas.

Geared to ship in
48 HOURS™

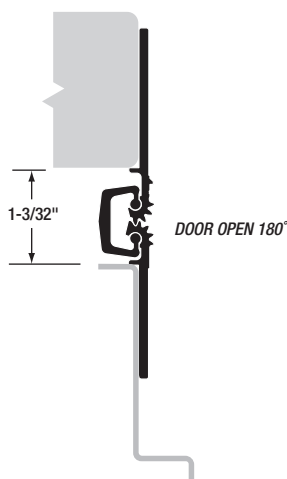
SELECT ships hinges faster than anyone in the industry. 99.9% of our hinge orders ship in 48 hours; more than half are shipped in only 24 hours. Projects won't be delayed while waiting weeks for hinges.



DOOR CLOSED



DOOR OPEN 90°



DOOR OPEN 180°

MATERIAL: Extruded 6063 T6 aluminum alloy with self-lubricating polyester thrust bearings.

LENGTHS: 83" and 95" lengths standard for nominal door heights. Hinges can be cut to shorter lengths. Longer hinges are not available.

LOAD/FREQUENCY RATING: For 1-3/4" doors. 48" max. door width in 16 gauge hollow metal (min.) or 1/8" aluminum (min.).

Heavy Duty — Tested per BHMA standards. Up to 200 lb. doors (high-frequency) and up to 400 lb. doors (medium-frequency) without frame or door reinforcement; up to 600 lb. doors (low-frequency) with the use of Rivnuts in the frame and door.

FINISHES: All SL48 hinges are stocked in 204R1 Clear (.4-.7 mil) AA-M12C22A31 and 215R1 Dark Bronze (.7 mil and thicker) AA-M12C22A44 anodized aluminum. Custom anodized or painted finishes are available. Product painted or anodized in the field voids the SELECT hinge warranty.

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify length, finish and heavy duty (HD). Also, specify door and frame screw applications. 12-24 x 3/4" self-drilling, thread-forming 410SS Phillips undercut flathead screws are provided as a standard pack unless otherwise specified. Wood and thread-forming screws also available. Security screws optional at extra cost.

AVAILABLE ELECTRIC PREPS: EPT, ATW, EMS, CMG, AP and RP.

BHMA CERTIFICATION: SL48HD geared continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.



SL48 HINGE SCREW COUNT

HINGE LENGTH & DUTY RATING	DOOR SCREWS	FRAME SCREWS
83" HD	19	19
95" HD	21	21

SPECIFICATIONS

SL48 Concealed Geared Continuous Hinge



SELECT Advantages



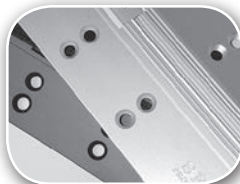
PAIR-MATCHED™ HINGE LEAVES

Manufactured together, machined together and anodized together, making SELECT hinges fit your doors better and last longer. *An exclusive SELECT benefit.*



LIFETIME LUBRICATION

Eliminates the need for periodic maintenance. Quiet performance. Fights gear cap wear. *An exclusive SELECT benefit.*



ANODIZED AFTER MACHINING

Delivers superior wear, durability and life. Inhibits corrosion. Few hinge makers follow SELECT's lead in using this superior manufacturing process.



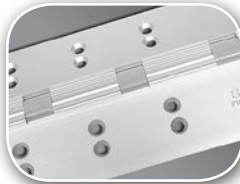
MEETS LEED REQUIREMENTS

Made from recycled aluminum. Reduces environmental impact and qualifies for LEED points. *An exclusive SELECT benefit.*



PATENTED 3-HR. FIRE RATING

Most SELECT hinges are fire rated for **90 minutes. 3-Hr. fire rating**, optional at extra cost, approved for positive/negative pressure. No fire pins or studs required. Patented design innovation. *An exclusive SELECT benefit.*



CONSISTENT TEMPLATING

Hole pattern is identical on both Standard and Heavy Duty models, so SELECT hinges line up precisely for easier and faster installation. *An exclusive SELECT benefit.*



COATED FASTENERS

Provide additional corrosion protection with either self-drilling, thread-forming (SDTF) or thread-forming (TF) screws. *An exclusive SELECT benefit.*



CUSTOM COLORS

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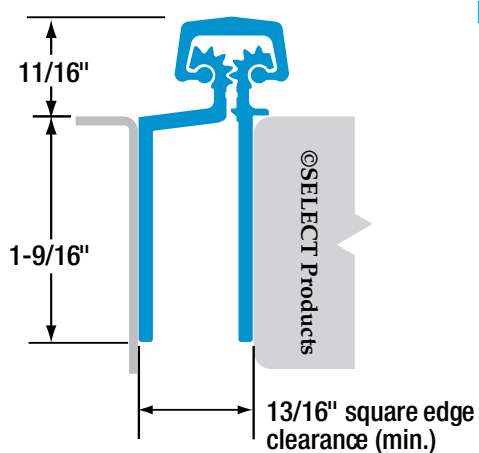
SELECT Hinge Performance

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- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
- SELECT geared continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier. When the door is closed, there are no accessible screws, bolts or pins.
- SELECT SL48 geared continuous hinges are listed and tested by Underwriters Laboratories to meet the Positive and Negative pressure requirements of UL10B and UL10C, and are in accordance with UBC 7.2 (1997). SELECT SL48 geared continuous hinges are for use on swinging single fire doors (max. door opening of 4'x10') or pairs of fire doors (max. door opening of 8'x10'), including double egress, installed in masonry or drywall. SELECT SL48 geared continuous hinges are rated for up to 1-1/2 hours for wood composite and wood core type fire doors. A special patented process can be added to increase the fire rating to 3 hours (NO FIRE PINS OR STUDS REQUIRED) for hollow metal or steel covered composite type doors.





- Safety hinge
(when used without
frame stop)
- Provides clearance
sufficient to avoid
the pinching
of fingers
- Flush mounted
(no door inset)
- For 1-3/4" doors



25 000 002

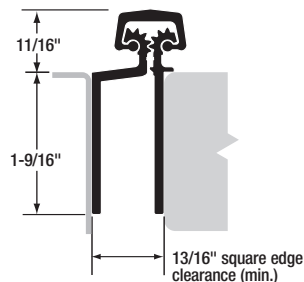
Reduce maintenance costs and hassles. Independent lab tests on an FRP door

Tested to last 60+ years
**CONTINUOUS
WARRANTY** TM

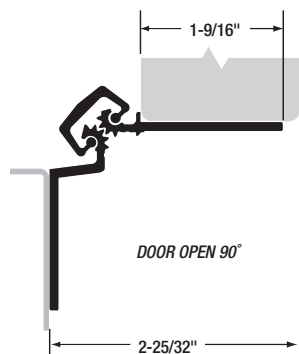
Because SELECT geared continuous hinges have proven themselves in independent testing, we offer the industry's only

Geared to ship in 48 HOURS™

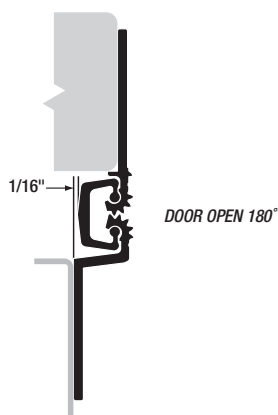
NOTES:



DOOR CLOSED



DOOR OPEN 90°



DOOR OPEN 180°

MATERIAL: Extruded 6063 T6 aluminum alloy with self-lubricating polyester thrust bearings.

LENGTHS: 83" and 95" lengths standard for nominal door heights. Hinges can be cut to shorter lengths. Longer hinges are not available.

LOAD/FREQUENCY RATING: For 1-3/4" doors. 48" max. door width in 16 gauge hollow metal (min.) or 1/8" aluminum (min.).

Heavy Duty — Tested per BHMA standards. Up to 200 lb. doors (high-frequency) and up to 400 lb. doors (medium-frequency) without frame or door reinforcement; up to 600 lb. doors (low-frequency) with the use of Rivnuts in the frame and door.

FINISHES: All SL71 hinges are stocked in 204R1 Clear (.4-.7 mil) AA-M12C22A31 and 215R1 Dark Bronze (.7 mil and thicker) AA-M12C22A44 anodized aluminum. Custom anodized or painted finishes are available. Product painted or anodized in the field voids the SELECT hinge warranty.

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify length, finish and heavy duty (HD). Also, specify door and frame screw applications. 12-24 x 3/4" self-drilling, thread-forming 410SS Phillips undercut flathead screws are provided as a standard pack unless otherwise specified. Wood and thread-forming screws also available. Security screws optional at extra cost.

BHMA CERTIFICATION: SL71HD geared continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.



SL71 HINGE SCREW COUNT

HINGE LENGTH & DUTY RATING	DOOR SCREWS	FRAME SCREWS
83" HD	19	19
95" HD	21	21

SELECT Advantages



PAIR-MATCHED™ HINGE LEAVES

Manufactured together, machined together and anodized together, making SELECT hinges fit your doors better and last longer. *An exclusive SELECT benefit.*



LIFETIME LUBRICATION

Eliminates the need for periodic maintenance. Quiet performance. Fights gear cap wear. *An exclusive SELECT benefit.*



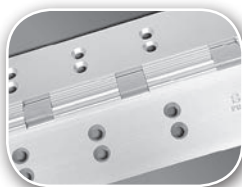
ANODIZED AFTER MACHINING

Delivers superior wear, durability and life. Inhibits corrosion. Few hinge makers follow SELECT's lead in using this superior manufacturing process.



MEETS LEED REQUIREMENTS

Made from recycled aluminum. Reduces environmental impact and qualifies for LEED points. *An exclusive SELECT benefit.*



CONSISTENT TEMPLATING

Hole pattern is identical on both Standard and Heavy Duty models, so SELECT hinges line up precisely for easier and faster installation. *An exclusive SELECT benefit.*



COATED FASTENERS

Provide additional corrosion protection with either self-drilling, thread-forming (SDTF) or thread-forming (TF) screws. *An exclusive SELECT benefit.*



CUSTOM COLORS

Match any paint color on the gear cap or the entire hinge and fasteners, including our always-in-stock Bone White gear caps. Anodized colors also available.

SELECT Hinge Performance

- A SELECT geared continuous hinge has been tested in accordance with ANSI 250.4-1994 test procedure and acceptance criteria for physical endurance for steel doors and hardware and has surpassed 25,000,000 cycles during testing by an independent laboratory. On a door cycling 400,000 times per year, a SELECT hinge will be performing for over 62 years.
- SELECT geared continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- The revolutionary SELECT geared continuous hinge puts an end to costly and irritating hinge failure problems, the most common cause of entrance failure.
- On conventional hinges, opening and "kick-back" energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. "Kick-back" energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge's 4-1/2" to 5" at the top of the door and frame).
- SELECT geared continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier. When the door is closed, there are no accessible screws, bolts or pins.

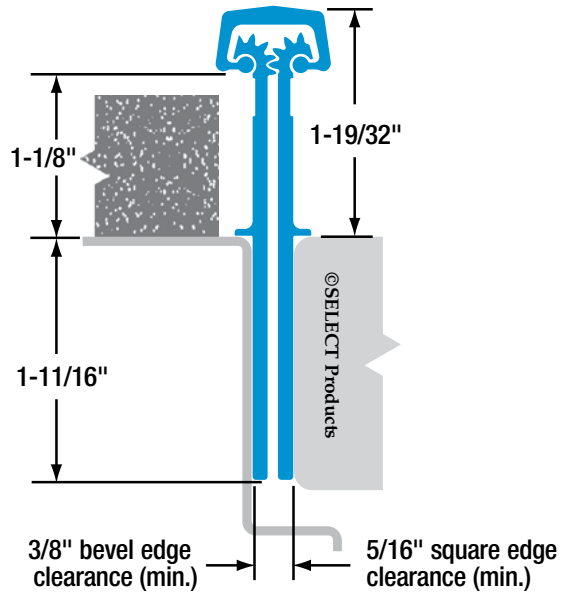




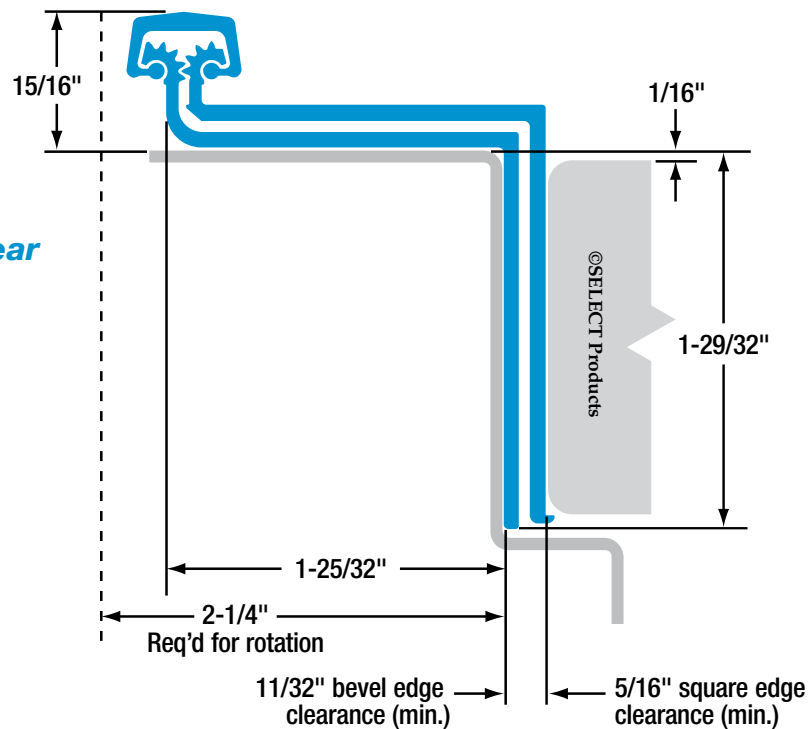
**SELECT
HINGES™**

Wide Throw • Swing Clear Geared Hinges

SL40
Wide Throw



SL41
Swing Clear

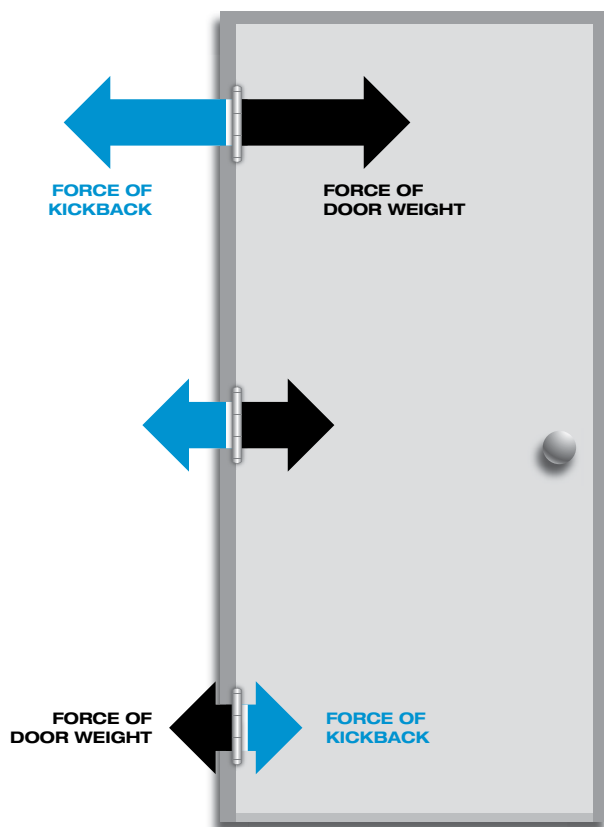


WIDE THROW • SWING CLEAR

Wide Throw • Swing Clear Geared Hinges

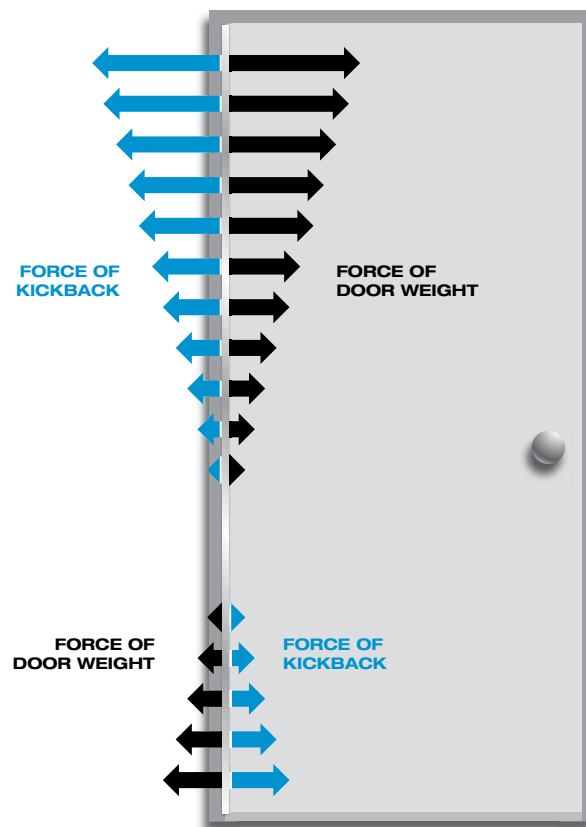


Hinge failure is the most common cause of entrance failure. The revolutionary SELECT geared continuous hinge puts an end to costly and frustrating hinge failure problems.



Conventional butt hinges

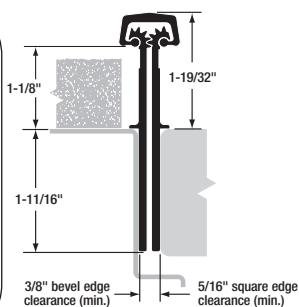
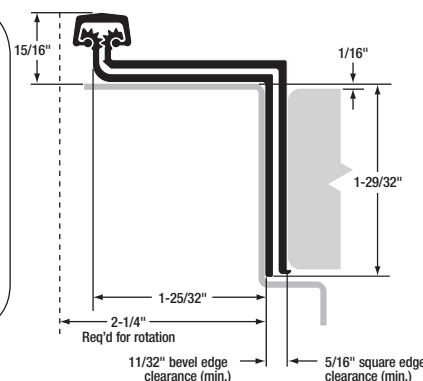
On conventional hinges, opening and "kickback" energy from closers and automatic operators concentrates on the top butt hinge. This force works against the top hinge, eventually forcing it apart or pulling it from the frame/door.



Continuous hinges

SELECT continuous hinges unite the door and frame into an integrated, sag-free unit. "Kickback" energy dissipates along the entire length of the door and frame and prevents hinge failure.

Wide Throw • Swing Clear Geared Hinges

SL40 WIDE THROW

SL41 SWING CLEAR


Calculating Required Door Clearances

For Square and Beveled-Edge Doors

IMPORTANT: All standard length SELECT hinges are supplied slightly shorter than nominal door height to avoid threshold or flooring clearance problems.

IMPORTANT: All uncut SL40 and SL41 hinges are non-handed and templated. Model SL40 remains non-handed after cutting. Model SL41 becomes handed after cutting.

IMPORTANT: Refer to NFPA 80 manual for clearance requirements on fire-rated entrances.

SINGLE DOOR: Square Edge

SL40 & SL41

Hinge side clearance	5/16"
Latch side clearance	1/8"
Frame variance clearance	1/32"
Total Width Clearance	15/32"

To determine door width:
Subtract the Total Width Clearance from the width of the frame opening.

SINGLE DOOR: Beveled Edge

SL41 SL40

Hinge side clearance	5/16"	11/32"
Latch side clearance	1/8"	1/8"
Frame variance clearance	1/32"	1/32"
Beveled edge clearance	1/32"	1/32"
Total Width Clearance	1/2"	17/32"

To determine door width:
Subtract the Total Width Clearance from the width of the frame opening.

Important Warranty Information:

The following actions will void any warranty, expressed or implied:

- Failure to install the hinge according to manufacturer's specifications and requirements. (For more information, visit selecthingerequirements.com.)
- Use of fasteners other than those supplied with the hinge.
- Unauthorized field modifications, including alteration or removal of the factory-applied lubricant, altering the original finish or painting the hinge.

DOUBLE DOORS (PAIR): Square Edge

SL40 & SL41

Hinge side clearance	5/8" (5/16" x 2)
Latch side clearance	3/16"
Frame variance clearance	1/16" (1/32" x 2)
Total Width Clearance	7/8"

To determine door width:
Subtract the Total Width Clearance from the width of the frame opening; divide the result by 2.

DOUBLE DOORS (PAIR): Beveled Edge

SL41 SL40

Hinge side clearance	5/8" (5/16" x 2)	11/16" (11/32" x 2)
Latch side clearance	3/16"	3/16"
Frame variance clearance	1/16" (1/32" x 2)	1/16" (1/32" x 2)
Beveled edge clearance	1/16" (1/32" x 2)	1/16" (1/32" x 2)
Total Width Clearance	15/16"	1"

To determine door width:
Subtract the Total Width Clearance from the width of the frame opening; divide the result by 2.

NOTE: For double-door entrances with a mullion between the pair of doors, calculate each door width using the Single Door clearances. For double-door entrances with a mullion behind the pair of doors, calculate each door width using the Double Doors clearances.

Tools Needed

- Metal-cutting saw
- Tape measure
- #13 or 3/16" drill bit
- 5/32" drill bit (wood frames/doors)
- #3 Phillips drive
- Shims

Parts Supplied

- #12-24 self-drilling, thread-forming (SDTF) 410 SS Phillips undercut flathead screws

Optional Parts

- #12 410 SS Phillips undercut flathead wood screws
- #12-24 thread-forming (TF) 410 SS Phillips undercut flathead screws
- Protective gloves are recommended

How to Cut the Hinge to Fit

- Keep hinge in "door closed" position (Fig. 1).
- Determine whether this will be a right-hand or left-hand installation.

IMPORTANT: Cut only one end of hinge. Cut end will be installed at the bottom. Keep original templated six-hole pattern at top end of hinge.

NOTE: SL40 is non-handed and remains non-handed after cutting.

- Using a metal-cutting saw, begin the cut through the gear cap first.

NOTE: DO NOT cut through a set screw bearing.

- Reinstall any set screw bearing that may have been cut off.

A. Prepare Frame

- Shim hinge to 1/8" below the header to allow for door clearance.
- Hold hinge in "door open" position (Fig. 2), making sure frame leaf alignment flange (SL40) or frame face portion of the frame leaf (SL41) is tight against frame face.
- Mark (or centerpunch) hole locations.

NOTE: TF screws and wood screws require pilot holes at marked locations. SDTF screws do not require pilot holes.

- If using SDTF screws, go to Step 5. If using TF or wood screws, drill holes at marked locations. DO NOT attach hinge to the frame at this time.

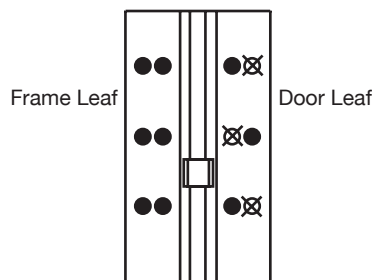
- Metal frame: Use #13 (.185") bit or 3/16" (.188") bit
- Wood frame: Use 5/32" (.156") bit

B. Attach Door to Hinge

- Align the door leaf alignment flange or the door leaf lip along the full length of the door edge (even if the door is slightly warped).

IMPORTANT: Top end of the hinge must be flush with the top of the door.

IMPORTANT: If installing hinge on a 90-minute fire-rated wood door, mark or centerpunch only one hole in each pair of holes at the top and bottom of the door leaf. DO NOT install the remaining screws in six-hole pattern on the door leaf. See illustration below.



- Mark (or centerpunch) holes. If using SDTF screws, go to Step 7. If using TF or wood screws, drill holes at marked locations.
 - Metal door: Use #13 (.185") bit or 3/16" (.188") bit
 - Wood door: Use 5/32" (.156") bit
- Fasten door leaf to door using #3 Phillips drive and fasteners provided.

C. Attach Door to Frame

- Position door at 90 degrees to the frame. Shim door to the proper height so the door aligns with the top screw holes.
- Install two screws at the top of hinge. Remove shim and align remaining holes. Install screws in middle and bottom two holes.
- Check door for proper swing and clearance before installing remaining screws.

Reinforcing & Rivnuts®

No hinge reinforcement is necessary except on extremely high-frequency, extremely heavy or extra-wide doors. Rivnuts are recommended for use in the frame when the door exceeds 450 lb. (max. 600 lb.).

NOTE: Only SELECT steel Rivnuts are to be used with fire-rated SELECT hinges.

Grouted/Slushed-in Frames

For ease of installation, it is recommended some sort of mudguard be installed behind the frame. Do not use self-drilling, thread-forming (SDTF) screws to drill into grouted frames. If mudguards have not been used, carefully drill pilot holes through frame and remove grout for screw clearance. Do not oversize holes in frame.

Fire-Rated Hinges

All stock SELECT hinges are 90-minute UL-rated, without pins. Please contact SELECT for complete information about its fire-rated hinges.



Fig. 1 Door Closed Position

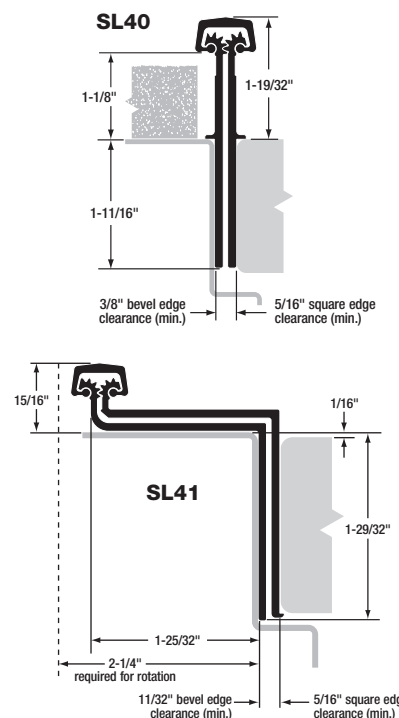
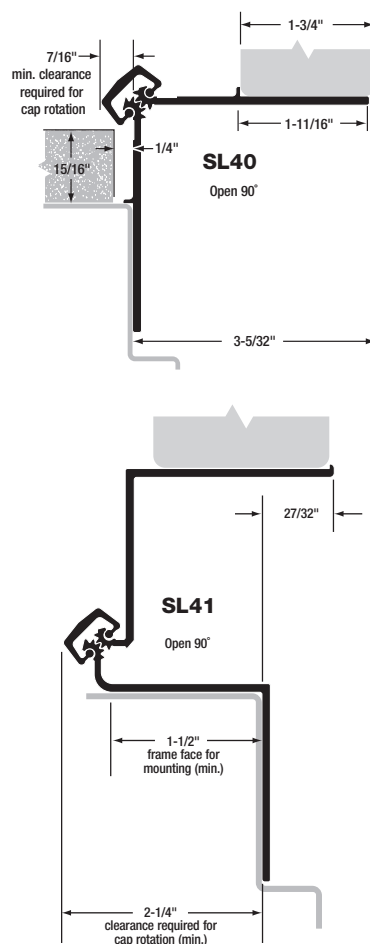
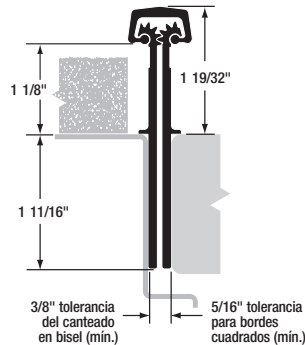
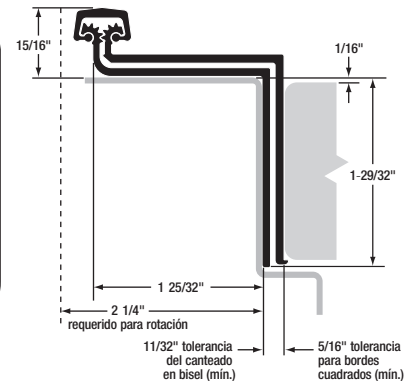


Fig. 2 Door Open 90°



Charnelas anchas con engranajes para lanzar y girar libremente

SL40 LANZADO ANCHO

SL41 GIRO LIBRE


Cálculo de las tolerancias requeridas para la puerta

Para puertas cuadradas y canteadas en bisel

IMPORTANTE: Todas las charnelas SELECT de longitud estándar se suministran un poco más pequeñas que la altura nominal de la puerta, para evitar problemas de tolerancia en el umbral o el piso.

IMPORTANTE: Todas las charnelas sin cortar SL40 y SL41 pueden usarse para diestros o zurdos y están templadas. El modelo SL40 permanece con la opción de usarse ya sea con la mano derecha o la mano izquierda después del corte. El modelo SL41 es para diestros después del corte.

IMPORTANTE: Consulte el manual NFPA 80 para requisitos de tolerancia para entradas clasificadas como resistentes al fuego.

UNA SOLA PUERTA: Borde cuadrado

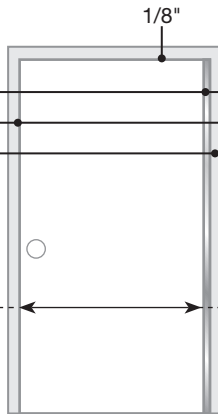
SL40 y SL41

Tolerancia lateral de la charnela	5/16"
Tolerancia lateral del cerrojo	1/8"
Tolerancia de variación del marco	1/32"

Tolerancia de ancho total 15/32"

Para determinar el ancho de la puerta:

Reste la tolerancia de ancho total del ancho de la abertura del marco.



UNA SOLA PUERTA: Canteado en bisel

SL41

SL40

Tolerancia lateral de la charnela	5/16"	11/32"
Tolerancia lateral del cerrojo	1/8"	1/8"
Tolerancia de variación del marco	1/32"	1/32"
Tolerancia del canteado en bisel	1/32"	1/32"

Tolerancia de ancho total 1/2" SL41, 17/32" SL40

Para determinar el ancho de la puerta:

Reste la tolerancia de ancho total del ancho de la abertura del marco.

Información importante sobre la garantía:

Las siguientes acciones anularán cualquier garantía, expresa o implícita:

- El no instalar la bisagra según las especificaciones y los requisitos del fabricante. (Para obtener más información, visite selecthingerequirements.com.)
- Uso de sujetadores que no sean los que se suministran con la charnela.
- Modificaciones de campo no autorizadas, incluyendo la alteración o eliminación del lubricante aplicado de fábrica, alterar el acabado original o pintar la charnela.

PUERTAS DOBLES (PAR): Borde cuadrado

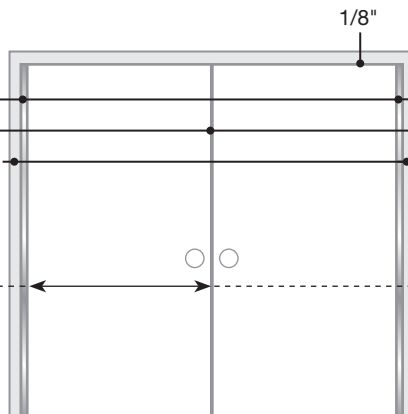
SL40 y SL41

Tolerancia lateral de la charnela	5/8" (5/16" x 2)
Tolerancia lateral del cerrojo	3/16"
Tolerancia de variación del marco	1/16" (1/32" x 2)

Tolerancia de ancho total 7/8"

Para determinar el ancho de la puerta:

Reste la tolerancia de ancho total del ancho de la abertura del marco; divida el resultado entre 2.



PUERTAS DOBLES (PAR): Canteado en bisel

SL41

SL40

Tolerancia lateral de la charnela	5/8" (5/16" x 2)	11/16" (11/32" x 2)
Tolerancia lateral del cerrojo	3/16"	3/16"
Tolerancia de variación del marco	1/16" (1/32" x 2)	1/16" (1/32" x 2)
Tolerancia del canteado en bisel	1/16" (1/32" x 2)	1/16" (1/32" x 2)

Tolerancia de ancho total 15/16" SL41, 1" SL40

Para determinar el ancho de la puerta:

Reste la tolerancia de ancho total del ancho de la abertura del marco; divida el resultado entre 2.

NOTA: Para entradas de puertas dobles con entreventana entre las dos puertas, calcule el ancho de cada puerta usando las tolerancias para una sola puerta. Para entradas de puertas dobles con entreventana detrás de las dos puertas, calcule el ancho de cada puerta usando las tolerancias para puertas dobles.

Herramientas necesarias

- Sierra para cortar metal
- Cinta para medir
- Broca N° 13 o de 3/16"
- Broca de 5/32" (marcos/puertas de madera)
- Destornillador Phillips N° 3
- Cuñas

Piezas suministradas

- 24 tornillos roscadores autorroscantes (SDTF) de cabeza plana Phillips sesgada N° 12 de acero inoxidable 410

Piezas opcionales

- Tornillos de cabeza plana sesgada para madera Phillips N° 12 de acero inoxidable 410
- 24 tornillos roscadores (TF) de cabeza plana Phillips sesgada N° 12 de acero inoxidable 410
- Se recomienda el uso de guantes protectores

Cómo cortar la charnela para que quepa

- Mantenga la charnela en la posición de "puerta cerrada" (Fig. 1).
- Determine si esta será una instalación para diestros o zurdos.

IMPORTANTE: Corte solamente un extremo de la charnela. El extremo cortado se instalará en la parte inferior. Guarde el patrón de templado original de seis orificios en el extremo superior de la charnela.

NOTA: SL40 es para diestros o zurdos y permanece así después de ser cortada.

- Usando una sierra para cortar metal, comience el corte primero por la tapa del engranaje.

NOTA: NO corte por el rodamiento del tornillo de ajuste.

- Vuelva a colocar cualquier rodamiento del tornillo de ajuste que hubiera podido cortarse.

A. Preparación del marco

- Use cuñas para ubicar la charnela a 1/8" debajo del travesaño para permitir tolerancia para la puerta.
- Sostenga la charnela en la posición de "puerta abierta" (Figura 2), asegurándose de que el reborde de alineación de la hoja del marco (SL40) o la porción de la cara del marco de la hoja del marco (SL41) esté apretado contra la cara del marco.
- Marque (o punce) las ubicaciones de los orificios.

NOTA: Los tornillos roscadores (TF) y para madera necesitan orificios piloto en las ubicaciones marcadas. Los tornillos roscadores autorroscantes (SDTF) no necesitan orificios piloto.

- Si va a usar tornillos SDTF, vaya al paso 5. Si va a usar tornillos roscadores (TF) o para madera, taladre orificios en los lugares marcados. NO fije aún la charnela al marco.

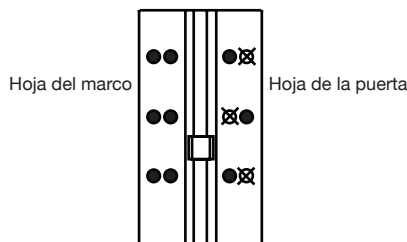
- Marco de metal: Use una broca N° 13 (0,185") o de 3/16" (0,188")
- Marco de madera: Use una broca de 5/32" (0,156")

B. Fije la puerta a la charnela

- Alinee el reborde de alineación de la hoja de la puerta o el labio de la hoja de la puerta a lo largo de la longitud total del borde de la puerta (aún si la puerta está ligeramente combada).

IMPORTANTE: El extremo superior de la charnela debe estar alineado con la parte superior de la puerta.

IMPORTANTE: Si va a instalar la charnela sobre una puerta de madera clasificada como resistente al fuego por 90 minutos, marque o perforo un solo orificio en cada par de orificios que estén en la parte superior e inferior de la hoja de la puerta. NO instale los tornillos restantes en los patrones de seis orificios en la hoja de la puerta. Vea la ilustración abajo.



- Marque (o punce) los orificios. Si va a usar tornillos roscadores autorroscantes (SDTF), vaya al paso 7. Si va a usar tornillos roscadores (TF) o para madera, taladre orificios en los lugares marcados.
 - Puerta de metal: Use una broca N° 13 (0,185") o de 3/16" (0,188")
 - Puerta de madera: Use una broca de 5/32" (0,156")
- Sujete la hoja de la puerta a la puerta usando un destornillador Phillips N° 3 y los sujetadores provistos.

C. Sujete la puerta al marco

- Coloque la puerta a 90 grados respecto al marco. Coloque una cuña en la puerta a la altura apropiada de manera que la puerta se alinee con los orificios superiores de los tornillos.
- Instale dos tornillos en la parte superior de la charnela. Quite la cuña y alinee los orificios restantes. Introduzca los tornillos en los orificios del medio y los dos de la parte inferior.
- Verifique que la puerta gire y tenga la tolerancia adecuada antes de instalar los tornillos restantes.

Refuerzo y remaches Rivnuts®

No es necesario ningún refuerzo para la charnela excepto si las puertas se usan con demasiada frecuencia, son extremadamente pesadas o son extra anchas. Se recomienda usar remaches Rivnuts en el marco cuando la puerta excede de 450 lb (máximo 600 lb).

NOTA: Solamente deben usarse remaches Rivnuts de acero SELECT con charnelas SELECT, clasificadas como resistentes al fuego.

Marcos empotrados en cemento

Para facilitar la instalación, se recomienda instalar algún tipo de salpicadera detrás del marco. No use tornillos roscadores autorroscantes (SDTF) para taladrar en los marcos de cemento. Si no se han usado salpicaderas, taladre cuidadosamente orificios que sirvan como guía a través del marco y quite el cemento para poder colocar el tornillo. No agrande los orificios del marco.

Charnelas clasificadas como resistentes al fuego



Todas las charnelas SELECT en existencia están aprobadas por UL para 90 minutos, sin pasadores. Por favor contacte a SELECT para obtener información completa acerca de las charnelas clasificadas como resistentes al fuego.

Fig. 1 Posición de puerta cerrada

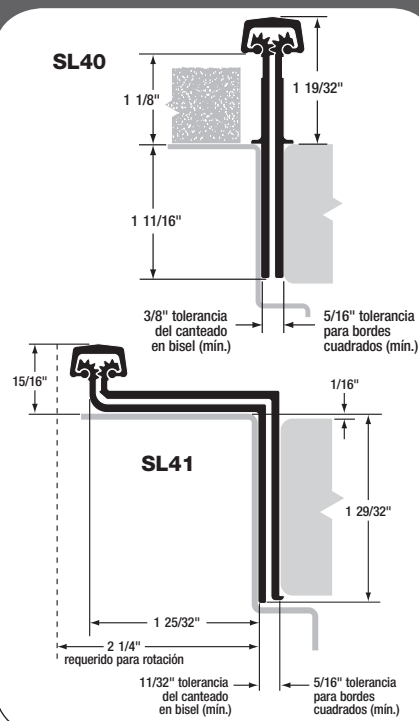
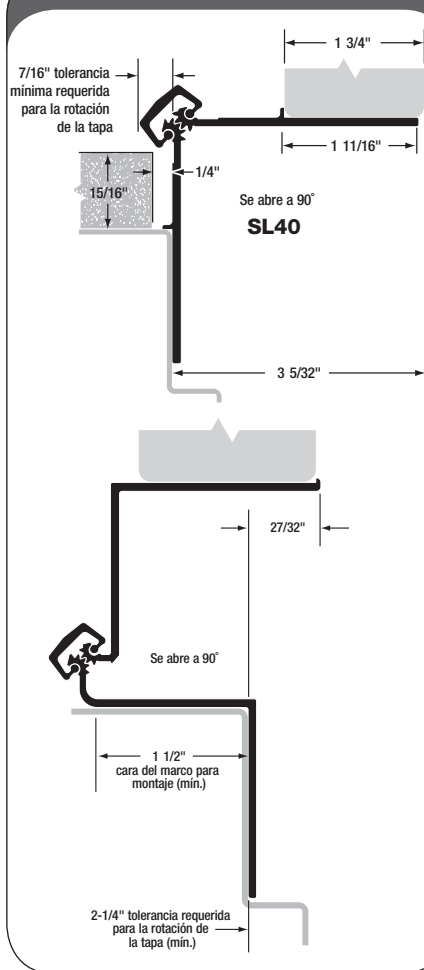


Fig. 2 Puerta abierta a 90°



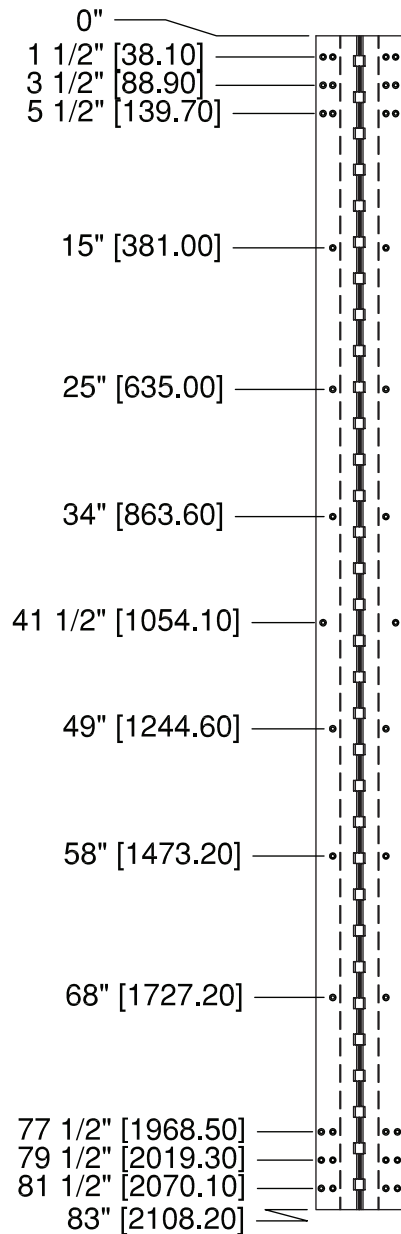


■ All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes.

**For 83" HD
Model SL40 Wide Throw**

38 fasteners / 32 bearings

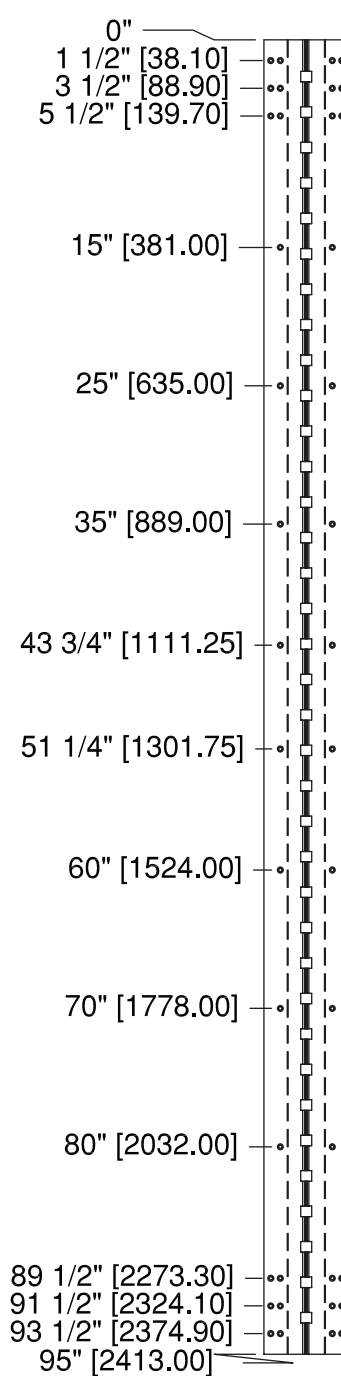
HOLES



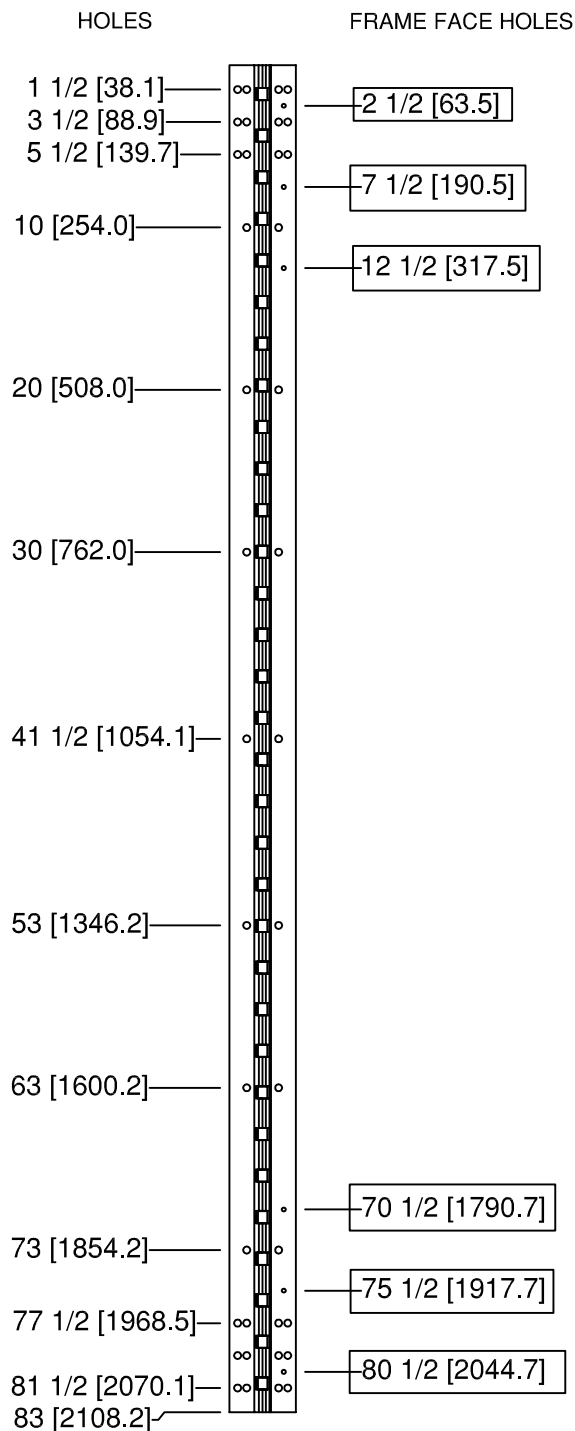
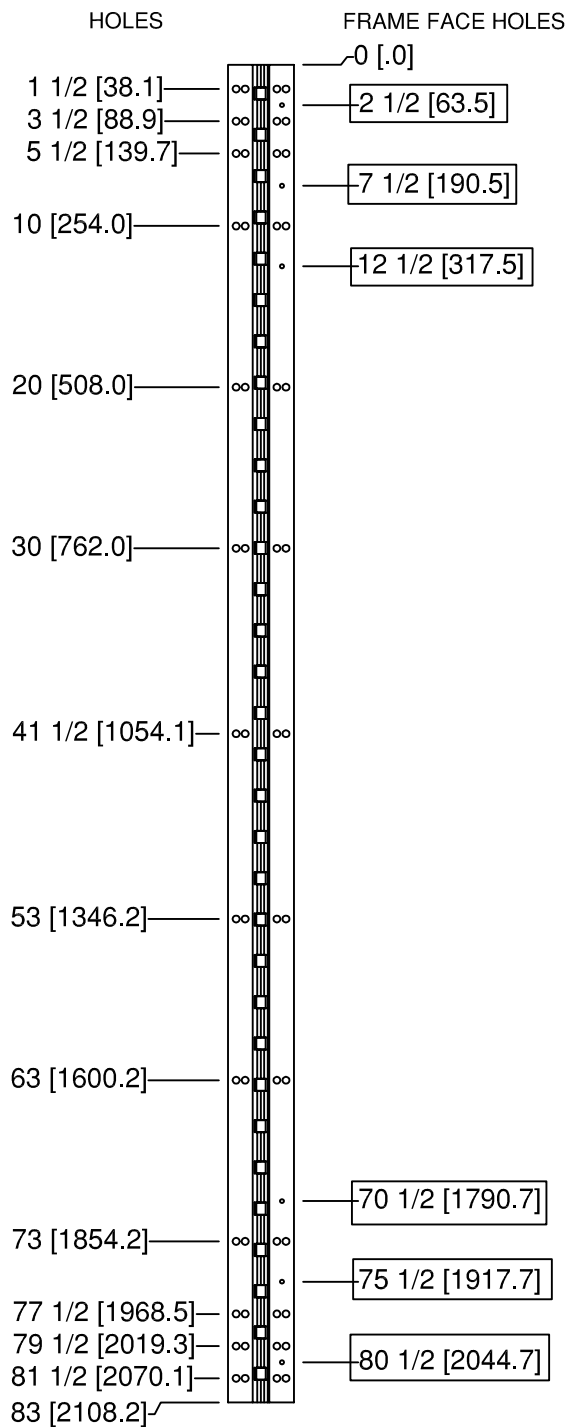
**For 95" HD
Model SL40 Wide Throw**

40 fasteners / 36 bearings

HOLES



- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes.
- Dimensions shown inside boxes are frame face mounting screw holes.

**For 83" HD
Model SL41 Swing Clear**
44 fasteners / 32 bearings

**For 83" LL
Model SL41 Swing Clear**
58 fasteners / 32 bearings


TEMPLATES

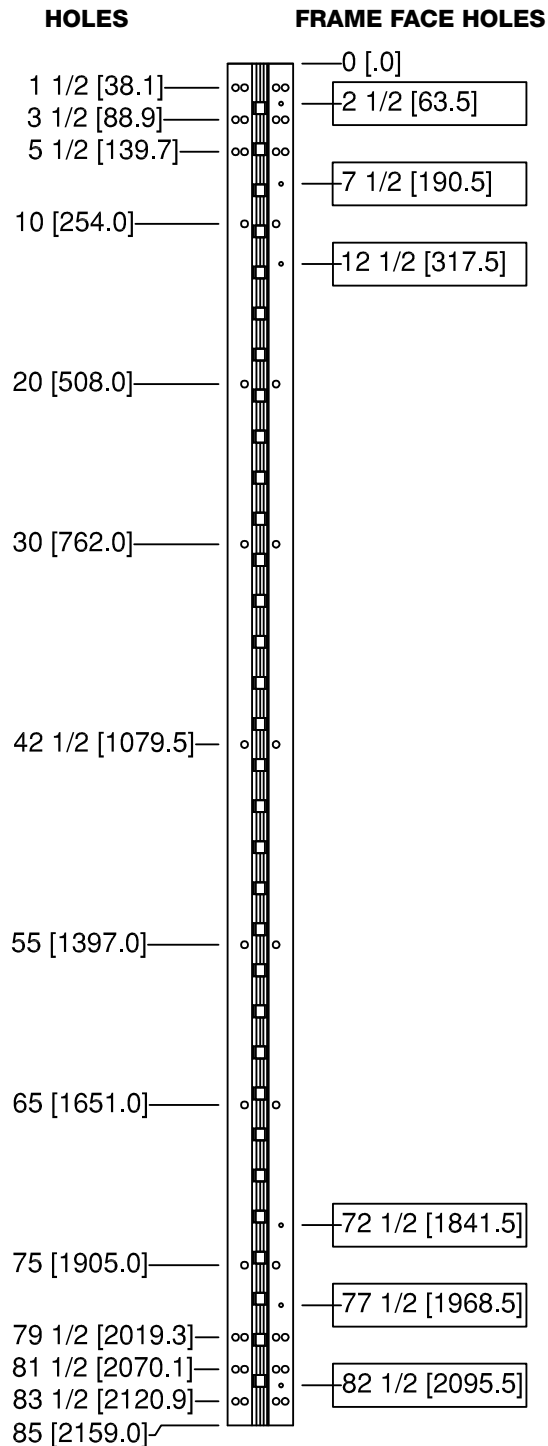
Swing Clear Geared Hinges



- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes.
- Dimensions shown inside boxes are frame face mounting screw holes.

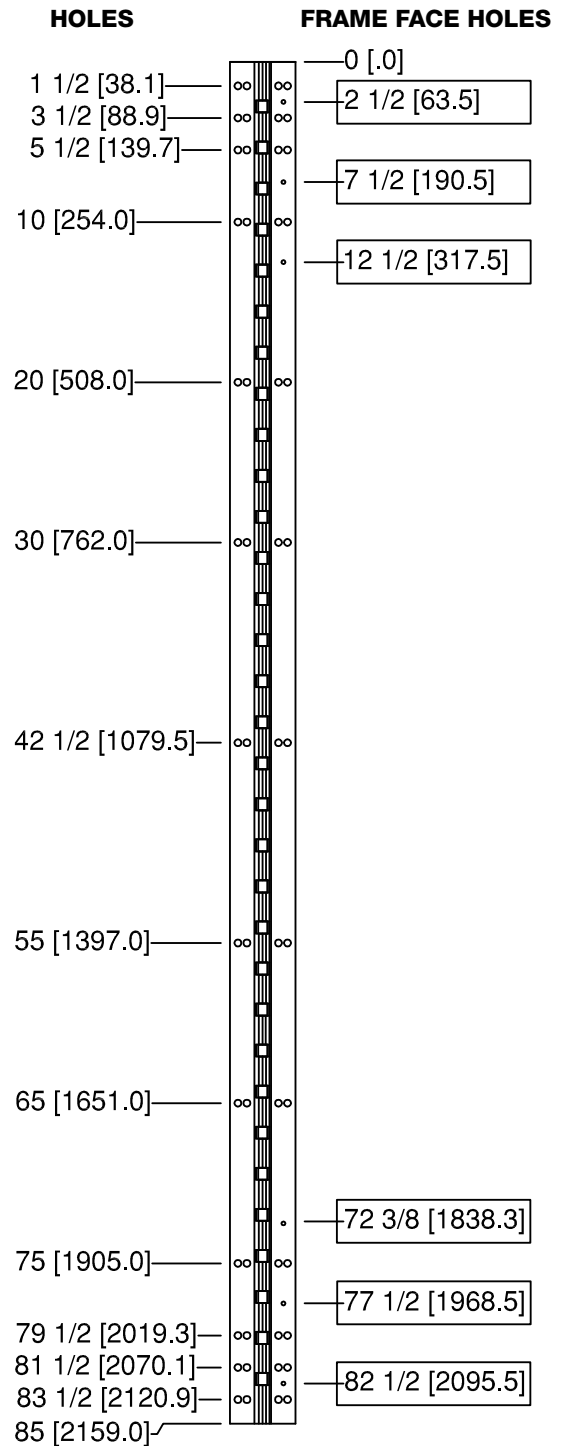
For 85" HD Model SL41 Swing Clear

44 fasteners / 32 bearings

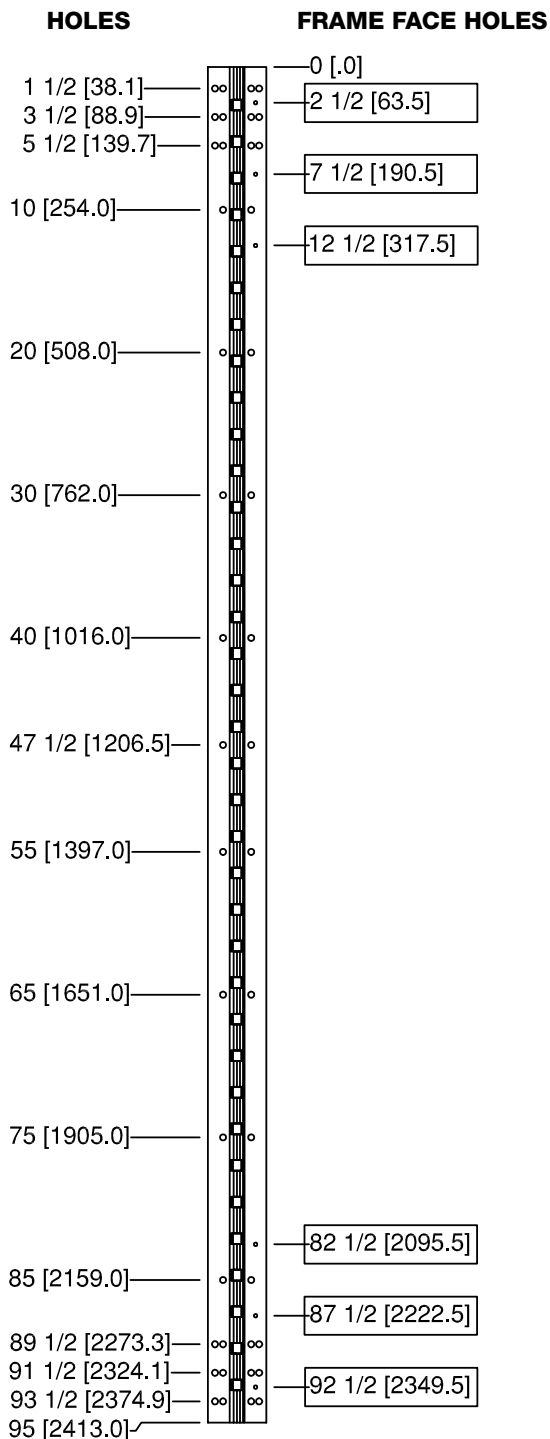
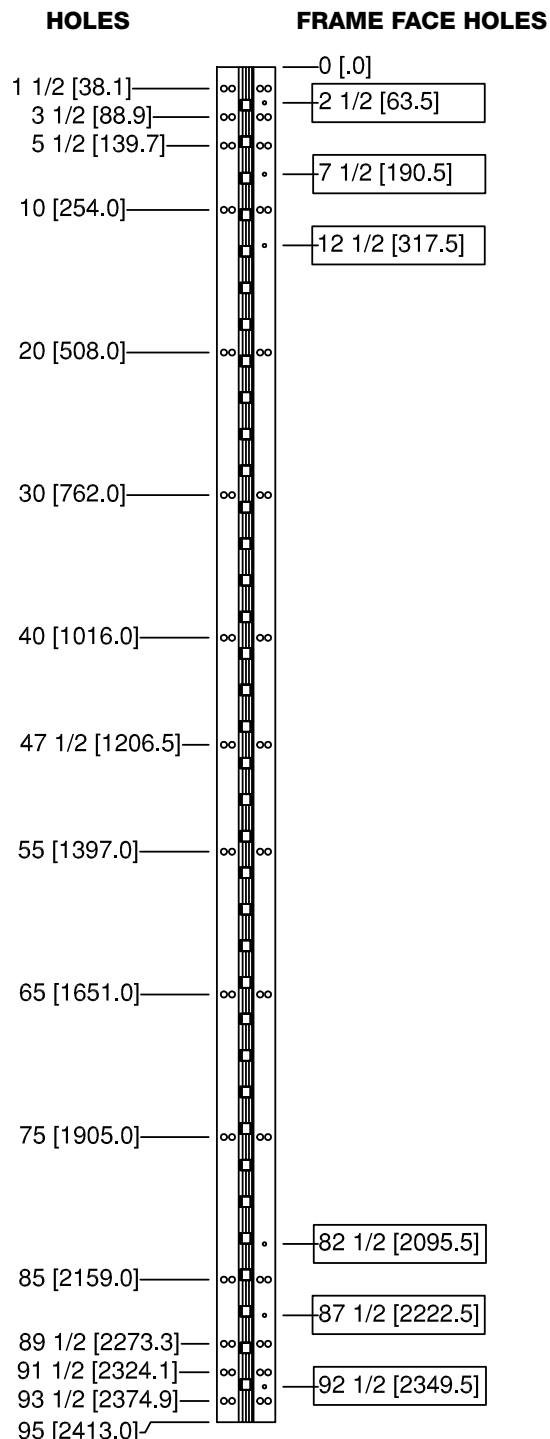


For 85" LL Model SL41 Swing Clear

58 fasteners / 32 bearings



- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes.
- Dimensions shown inside boxes are frame face mounting screw holes.

**For 95" HD
Model SL41 Swing Clear**
48 fasteners / 36 bearings

**For 95" LL
Model SL41 Swing Clear**
66 fasteners / 36 bearings


TEMPLATES

Swing Clear Geared Hinges

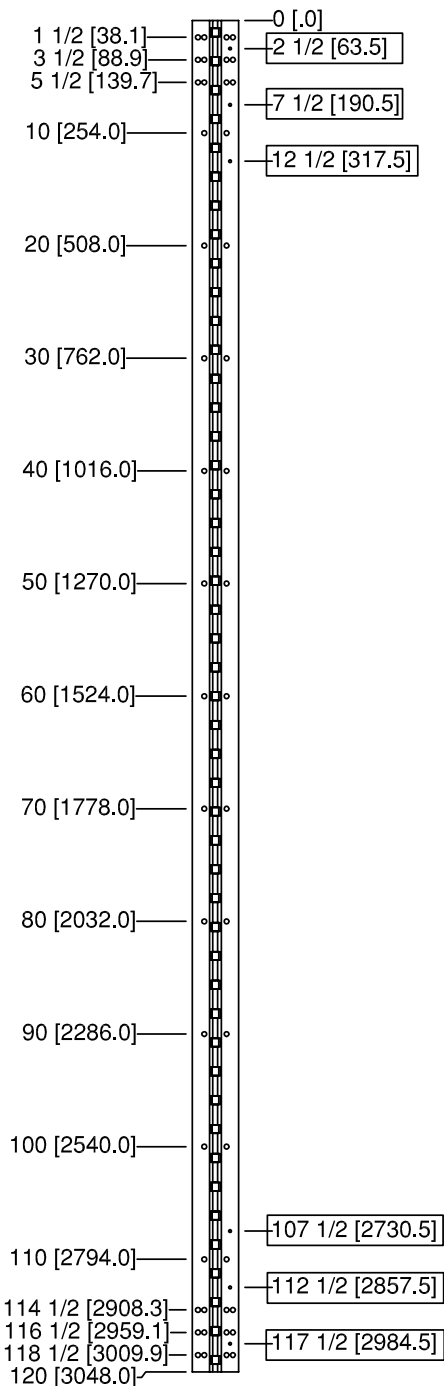


- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes.
- Dimensions shown inside boxes are frame face mounting screw holes.

For 120" HD Model SL41 Swing Clear

52 fasteners / 47 bearings

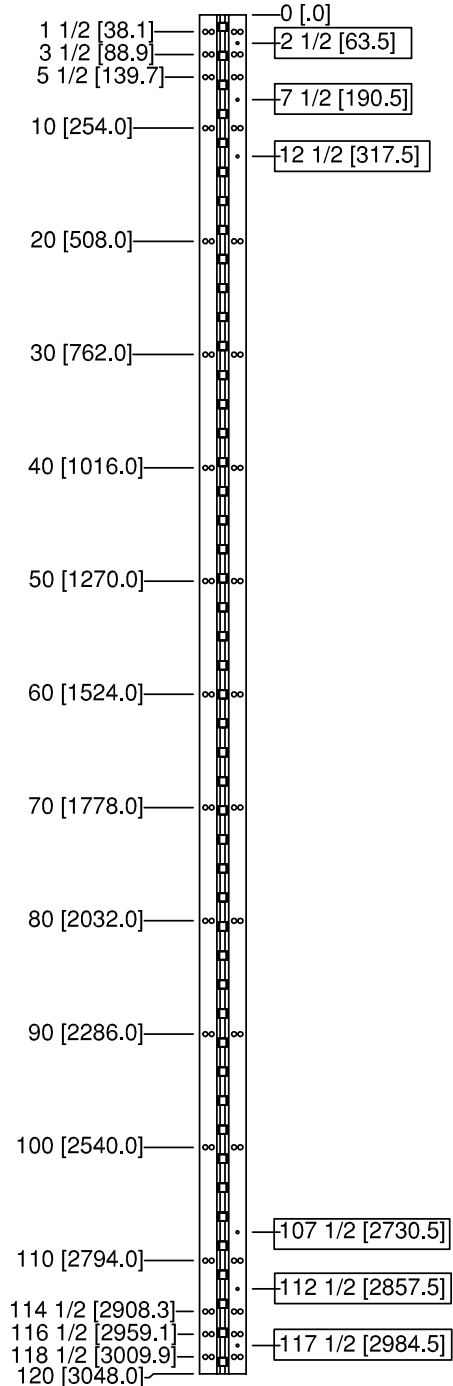
HOLES FRAME FACE HOLES



For 120" LL Model SL41 Swing Clear

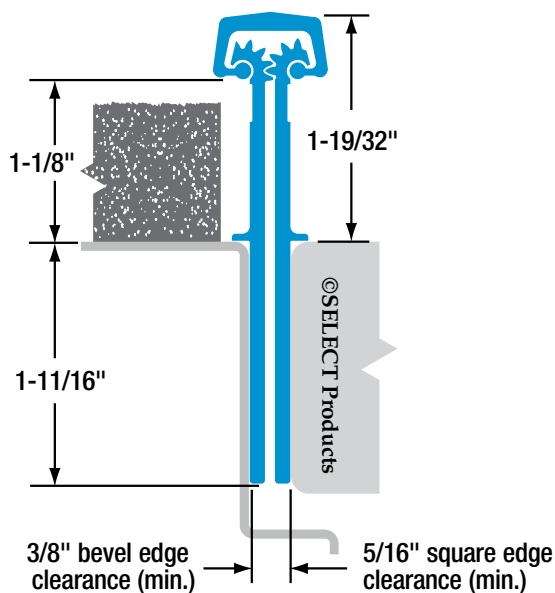
74 fasteners / 47 bearings

HOLES FRAME FACE HOLES





- Clearance of brick moldings or special door/frame designs
- Frame leaf covers butt hinge preps
- Flush mounted (no door inset)
- For 1-3/4" doors



NOTES:



prove SELECT hinges withstand 25 million cycles — more than 60 years of high-traffic use. Pair-Matched™ hinge leaves, lifetime lubrication and anodizing after machining deliver the longest life of any continuous hinge.

Tested to last 60+ years
CONTINUOUS
WARRANTY

Continuous Warranty. It covers any failure of our aluminum geared continuous hinges — with no expiration date — as long as they are properly installed. Durability and worry-free performance ... guaranteed in writing. ***The warranty that never ends for the hinge that never quits.***SM

wedges and other tools in the Forced Entry Test.
Approved for use in U.S. embassies overseas.

Geared to ship in



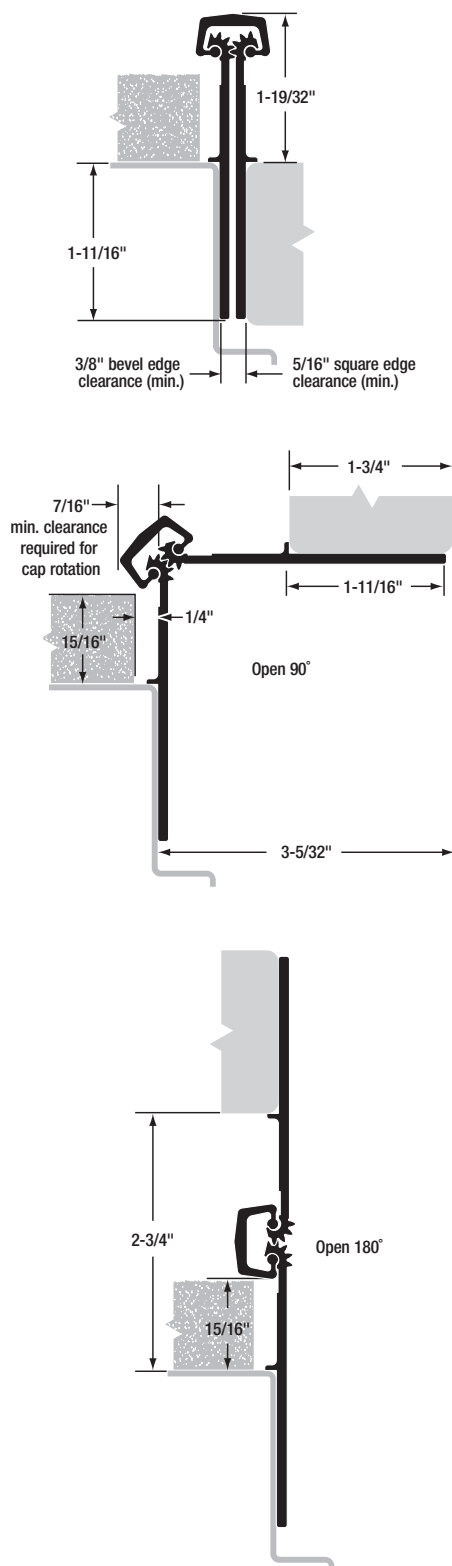
SELECT ships hinges faster than anyone in the industry. 99.9% of our hinge orders ship in 48 hours; more than half are shipped in only 24 hours. Projects won't be delayed while waiting weeks for hinges.



**SELECT
HINGES™**

SL40 Wide Throw Geared Continuous Hinge

SPECIFICATIONS



MATERIAL: Extruded 6063 T6 aluminum alloy with self-lubricating polyester thrust bearings.

LENGTHS: 83" and 95" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY RATING: For 1-3/4" doors. 48" max. door width in 16 gauge hollow metal (min.) or 1/8" aluminum (min.).

Heavy Duty — Tested per BHMA standards. Up to 200 lb. doors (high-frequency) and up to 400 lb. doors (medium-frequency) without frame or door reinforcement; up to 600 lb. doors (low-frequency) with the use of Rivnuts in the frame and door.

FINISHES: All SL40 hinges are stocked in 204R1 Clear (.4-.7 mil) AA-M12C22A31 and 215R1 Dark Bronze (.7 mil and thicker) AA-M12C22A44 anodized aluminum. Custom anodized or painted finishes are available. Product painted or anodized in the field voids the SELECT hinge warranty.

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify length, finish and heavy duty (HD). Also, specify door and frame screw applications. 12-24 x 3/4" self-drilling, thread-forming 410SS Phillips undercut flathead screws are provided as a standard pack unless otherwise specified. Wood and thread-forming screws also available. Security screws optional at extra cost.

AVAILABLE ELECTRIC PREPS: EPT, EMS and CMG. For EPT prep on this hinge model, please consult factory for engineering approval.

BHMA CERTIFICATION: SL40HD geared continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.

SL40 HINGE SCREW COUNT		
HINGE LENGTH & DUTY RATING	DOOR SCREWS	FRAME SCREWS
83" HD	19	19
95" HD	20	20

SPECIFICATIONS

SL40 Wide Throw Geared Continuous Hinge



SELECT Advantages



PAIR-MATCHED™ HINGE LEAVES

Manufactured together, machined together and anodized together, making SELECT hinges fit your doors better and last longer. *An exclusive SELECT benefit.*



LIFETIME LUBRICATION

Eliminates the need for periodic maintenance. Quiet performance. Fights gear cap wear. *An exclusive SELECT benefit.*



ANODIZED AFTER MACHINING

Delivers superior wear, durability and life. Inhibits corrosion. Few hinge makers follow SELECT's lead in using this superior manufacturing process.



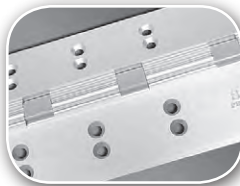
MEETS LEED REQUIREMENTS

Made from recycled aluminum. Reduces environmental impact and qualifies for LEED points. *An exclusive SELECT benefit.*



PATENTED 3-HR. FIRE RATING

Most SELECT hinges are fire rated for **90 minutes. 3-Hr. fire rating**, optional at extra cost, approved for positive/negative pressure. No fire pins or studs required. Patented design innovation. *An exclusive SELECT benefit.*



CONSISTENT TEMPLATING

Hole pattern is identical on both Standard and Heavy Duty models, so SELECT hinges line up precisely for easier and faster installation. *An exclusive SELECT benefit.*



COATED FASTENERS

Provide additional corrosion protection with either self-drilling, thread-forming (SDTF) or thread-forming (TF) screws. *An exclusive SELECT benefit.*



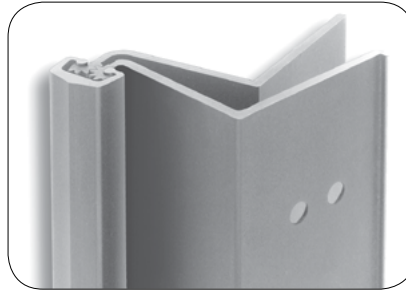
CUSTOM COLORS

Match any paint color on the gear cap or the entire hinge and fasteners, including our always-in-stock Bone White gear caps. Anodized colors also available.

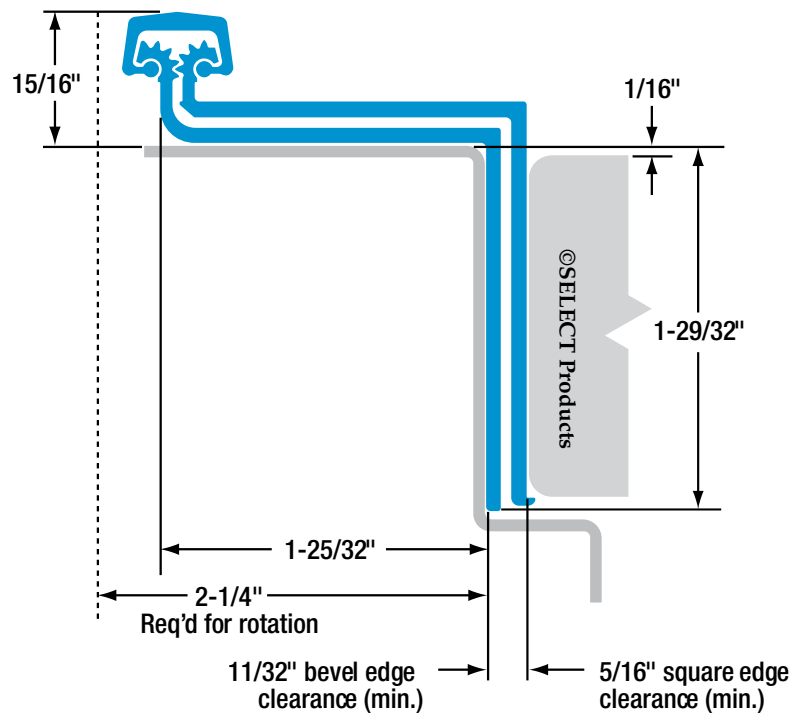
SELECT Hinge Performance

- A SELECT geared continuous hinge has been tested in accordance with ANSI 250.4-1994 test procedure and acceptance criteria for physical endurance for steel doors and hardware and has surpassed 25,000,000 cycles during testing by an independent laboratory. On a door cycling 400,000 times per year, a SELECT hinge will be performing for over 62 years.
- SELECT geared continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- The revolutionary SELECT geared continuous hinge puts an end to costly and irritating hinge failure problems, the most common cause of entrance failure.
- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
- SELECT geared continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier. When the door is closed, there are no accessible screws, bolts or pins.
- SELECT SL40 geared continuous hinges are listed and tested by Underwriters Laboratories to meet the Positive and Negative pressure requirements of UL10B and UL10C, and are in accordance with UBC 7.2 (1997). SELECT SL40 geared continuous hinges are for use on swinging single fire doors (max. door opening of 4'x10') or pairs of fire doors (max. door opening of 8'x10'), including double egress, installed in masonry or drywall. SELECT SL40 geared continuous hinges are rated for up to 1-1/2 hours for wood composite and wood core type fire doors. A special patented process can be added to increase the fire rating to 3 hours (NO FIRE PINS OR STUDS REQUIRED) for hollow metal or steel covered composite type doors.





- Swing-clear action
- Door edge protector
- Requires 2-1/4" frame face for full rotation clearance
- 1/16" door inset
- For 1-3/4" doors



SL41

Swing Clear Geared Continuous Hinge



Tested to last six decades



Reduce maintenance costs and hassles. Independent lab tests on an FRP door

prove SELECT hinges withstand 25 million cycles — more than 60 years of high-traffic use. Pair-Matched™ hinge leaves, lifetime lubrication and anodizing after machining deliver the longest life of any continuous hinge.

Covered by the only Continuous Warranty



Because SELECT geared continuous hinges have proven themselves in independent testing, we offer the industry's only

Continuous Warranty. It covers any failure of our aluminum geared continuous hinges — with no expiration date — as long as they are properly installed. Durability and worry-free performance ... guaranteed in writing. *The warranty that never ends for the hinge that never quits.SM*

Certified by the U.S. Department of State



After brutal testing, the State Department granted a SELECT geared continuous hinge its 60-minute certification — the department's highest level. The hinge deflected bullets in the Ballistic Resistance Test and withstood sledgehammers,

wedges and other tools in the Forced Entry Test. Approved for use in U.S. embassies overseas.

Geared to ship in 48 hours

Geared to ship in



SELECT ships hinges faster than anyone in the industry. 99.9% of our hinge orders ship in 48 hours; more than half are shipped in only 24 hours. Projects won't be delayed while waiting weeks for hinges.

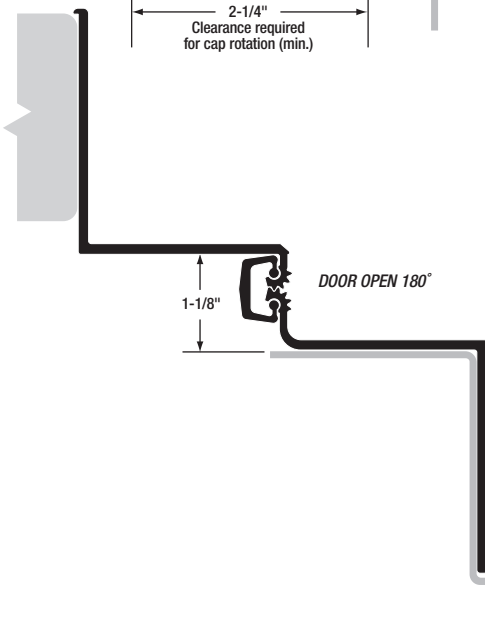
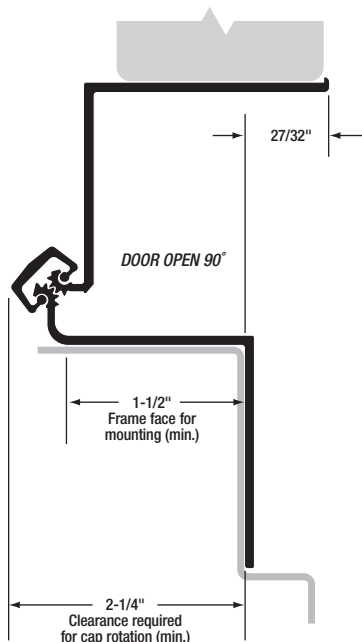
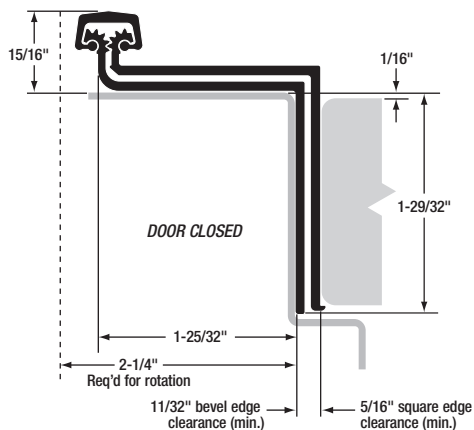
NOTES:



**SELECT
HINGES™**

SL41 Swing Clear Geared Continuous Hinge

SPECIFICATIONS



MATERIAL: Extruded 6063 T6 aluminum alloy with self-lubricating polyester thrust bearings.

LENGTHS: 83", 85", 95" and 120" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY RATINGS: For 1-3/4" doors. 48" max. door width in 16 gauge hollow metal (min.) or 1/8" aluminum (min.).

Heavy Duty — Tested per BHMA standards. Up to 200 lb. doors (high-frequency) and up to 400 lb. doors (medium-frequency) without frame or door reinforcement; up to 600 lb. doors (low-frequency) with the use of Rivnuts in the frame and door.

Heavy Duty (LL) — Our HD hinge with additional fastener holes for low-frequency doors up to 1,000 lb., including most lead-lined doors. Rivnuts are recommended in the frame and door on extremely tall, extremely heavy or wide doors.

FINISHES: All SL41 hinges are stocked in 204R1 Clear (.4-.7 mil) AA-M12C22A31 and 215R1 Dark Bronze (.7 mil and thicker) AA-M12C22A44 anodized aluminum. Custom anodized or painted finishes are available. Product painted or anodized in the field voids the SELECT hinge warranty.

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify length, finish and heavy duty (HD) or heavy duty with additional fastener holes (LL). Also, specify door and frame screw applications. 12-24 x 3/4" self-drilling, thread-forming 410SS Phillips undercut flathead screws are provided as a standard pack unless otherwise specified. Wood and thread-forming screws also available. Security screws optional at extra cost.

AVAILABLE ELECTRIC PREPS: EPT, EMS and CMG. For EPT prep on this hinge model, please consult factory for engineering approval.

BHMA CERTIFICATION: SL41HD and SL41LL geared continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.



SL41 HINGE SCREW COUNT

HINGE LENGTH & DUTY RATING	DOOR SCREWS	FRAME SCREWS
83" HD	19	25
85" HD	19	25
95" HD	21	27
120" HD	23	29
83" LL	26	32
85" LL	26	32
95" LL	30	36
120" LL	34	40

SPECIFICATIONS

SL41 Swing Clear Geared Continuous Hinge



SELECT Advantages



PAIR-MATCHED™ HINGE LEAVES

Manufactured together, machined together and anodized together, making SELECT hinges fit your doors better and last longer. *An exclusive SELECT benefit.*



LIFETIME LUBRICATION

Eliminates the need for periodic maintenance. Quiet performance. Fights gear cap wear. *An exclusive SELECT benefit.*



ANODIZED AFTER MACHINING

Delivers superior wear, durability and life. Inhibits corrosion. Few hinge makers follow SELECT's lead in using this superior manufacturing process.



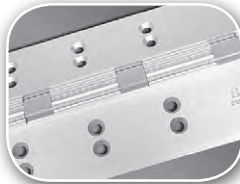
MEETS LEED REQUIREMENTS

Made from recycled aluminum. Reduces environmental impact and qualifies for LEED points. *An exclusive SELECT benefit.*



PATENTED 3-HR. FIRE RATING

Most SELECT hinges are fire rated for **90 minutes. 3-Hr. fire rating**, optional at extra cost, approved for positive/negative pressure. No fire pins or studs required. Patented design innovation. *An exclusive SELECT benefit.*



CONSISTENT TEMPLATING

Hole pattern is identical on both Standard and Heavy Duty models, so SELECT hinges line up precisely for easier and faster installation. *An exclusive SELECT benefit.*



COATED FASTENERS

Provide additional corrosion protection with either self-drilling, thread-forming (SDTF) or thread-forming (TF) screws. *An exclusive SELECT benefit.*



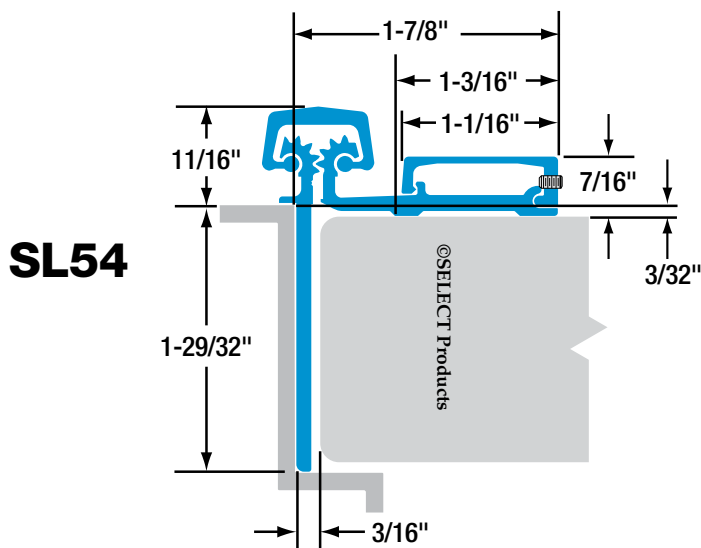
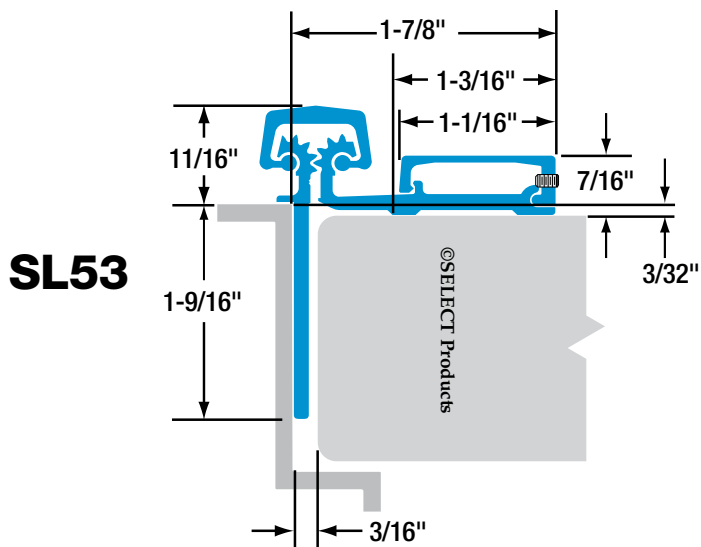
CUSTOM COLORS

Match any paint color on the gear cap or the entire hinge and fasteners, including our always-in-stock Bone White gear caps. Anodized colors also available.

SELECT Hinge Performance

- A SELECT geared continuous hinge has been tested in accordance with ANSI 250.4-1994 test procedure and acceptance criteria for physical endurance for steel doors and hardware and has surpassed 25,000,000 cycles during testing by an independent laboratory. On a door cycling 400,000 times per year, a SELECT hinge will be performing for over 62 years.
- SELECT geared continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- The revolutionary SELECT geared continuous hinge puts an end to costly and irritating hinge failure problems, the most common cause of entrance failure.
- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
- SELECT geared continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier. When the door is closed, there are no accessible screws, bolts or pins.
- SELECT SL41 geared continuous hinges are listed and tested by Underwriters Laboratories to meet the Positive and Negative pressure requirements of UL10B and UL10C, and are in accordance with UBC 7.2 (1997). SELECT SL41 geared continuous hinges are for use on swinging single fire doors (max. door opening of 4'x10') or pairs of fire doors (max. door opening of 8'x10'), including double egress, installed in masonry or drywall. SELECT SL41 geared continuous hinges are rated for up to 1-1/2 hours for wood composite and wood core type fire doors. A special patented process can be added to increase the fire rating to 3 hours (NO FIRE PINS OR STUDS REQUIRED) for hollow metal or steel covered composite type doors.

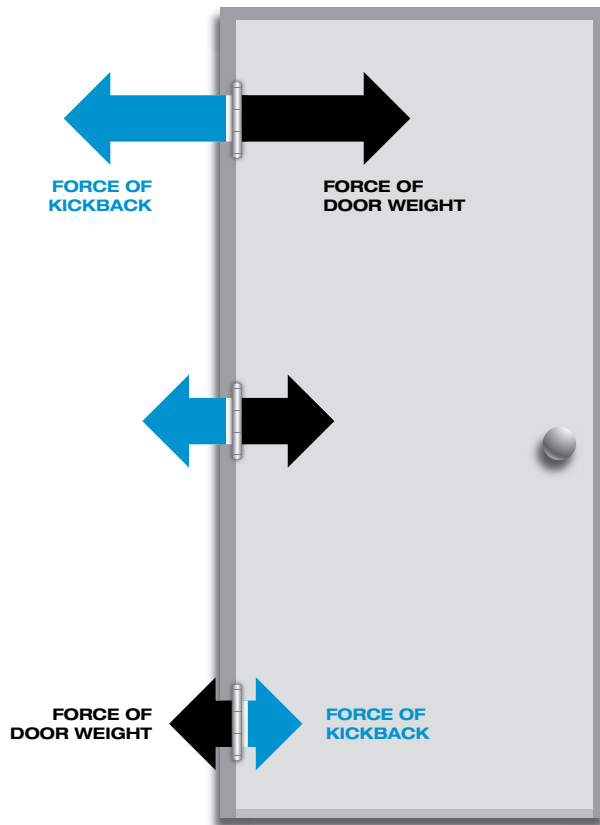




Half Surface Geared Continuous Hinges

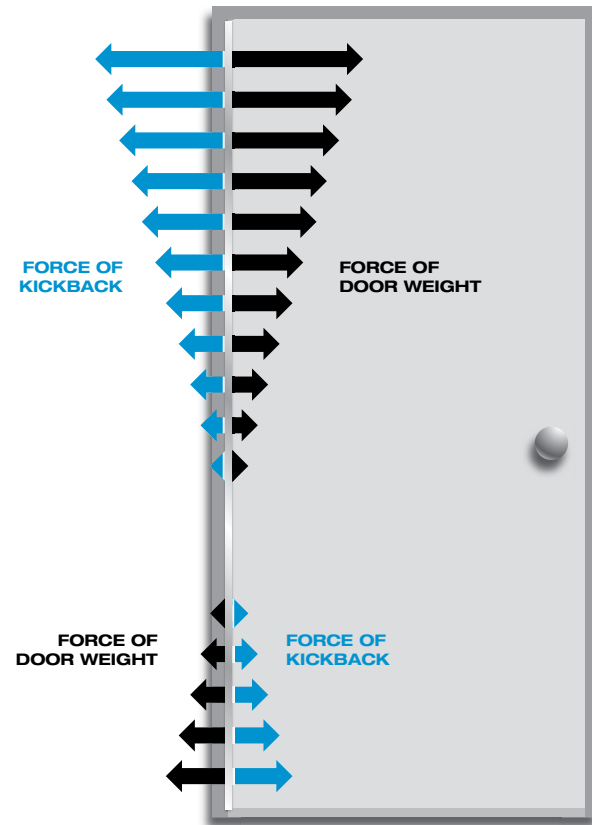


Hinge failure is the most common cause of entrance failure. The revolutionary SELECT geared continuous hinge puts an end to costly and frustrating hinge failure problems.



Conventional butt hinges

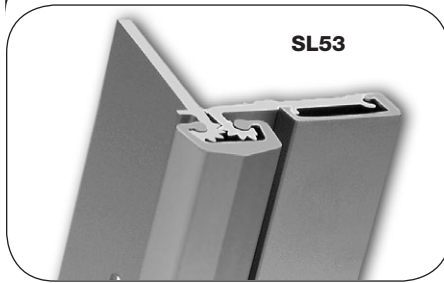
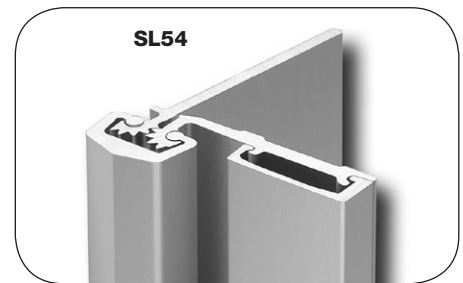
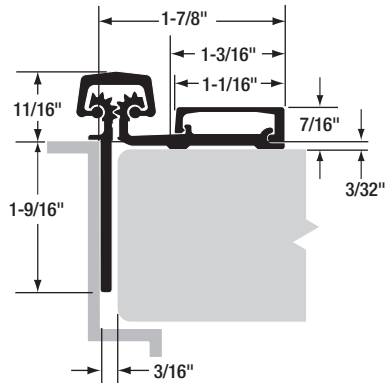
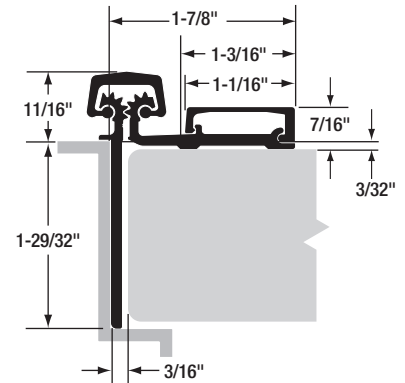
On conventional hinges, opening and "kickback" energy from closers and automatic operators concentrates on the top butt hinge. This force works against the top hinge, eventually forcing it apart or pulling it from the frame/door.



Continuous hinges

SELECT continuous hinges unite the door and frame into an integrated, sag-free unit. "Kickback" energy dissipates along the entire length of the door and frame and prevents hinge failure.

Half Surface Geared Continuous Hinges


SL53

SL54


Important Warranty Information:

The following actions will void any warranty, expressed or implied:

- Failure to install the hinge according to manufacturer's specifications and requirements. (For more information, visit selecthingerequirements.com.)
- Use of fasteners other than those supplied with the hinge.
- Unauthorized field modifications, including alteration or removal of the factory-applied lubricant, altering the original finish or painting the hinge.

Calculating Required Door Clearances

For Square and Beveled-Edge Doors

IMPORTANT: All standard length SELECT hinges are supplied slightly shorter than nominal door height to avoid threshold or flooring clearance problems.

IMPORTANT: All uncut SL53 and SL54 hinges are non-handed and templated. They become handed after cutting. If door inset is required, install a continuous piece of shim under the door leaf.

IMPORTANT: Refer to NFPA 80 manual for clearance requirements on fire-rated entrances.

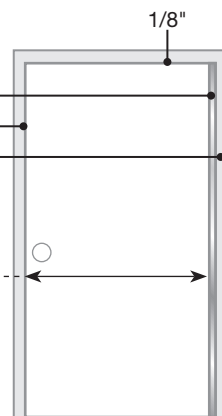
SINGLE DOOR:

Hinge side clearance	5/32"
Latch side clearance	1/8"
Frame variance clearance	1/32"

Total Width Clearance **5/16"**

To determine door width:

Subtract the Total Width Clearance from the width of the frame opening.



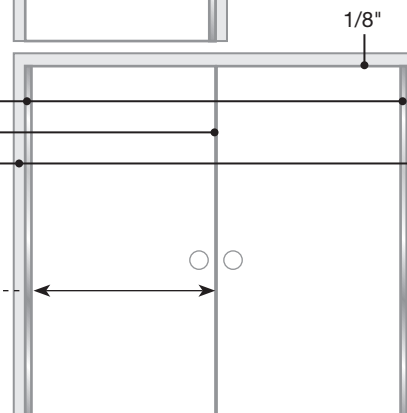
DOUBLE DOORS (PAIR):

Hinge side clearance	5/16" (5/32" x 2)
Latch side clearance	3/16"
Frame variance clearance	1/16" (1/32" x 2)

Total Width Clearance **9/16"**

To determine door width:

Subtract the Total Width Clearance from the width of the frame opening; divide the result by 2.



Reinforcing & Rivnuts®

No hinge reinforcement is necessary except on extremely high-frequency, extremely heavy or extra-wide doors. Rivnuts are recommended for use in the frame when the door exceeds 450 lb. (max. 600 lb.)

NOTE: Only SELECT steel Rivnuts are to be used with fire-rated SELECT hinges.

Grouted/Slushed-in Frames

For ease of installation, it is recommended some sort of mudguard be installed behind the frame. Do not use self-drilling, thread-forming (SDTF) screws to drill into grouted frames. If mudguards have not been used, carefully drill pilot holes through frame and remove grout for screw clearance. Do not oversize holes in frame.

Fire-Rated Hinges

All stock SELECT hinges are 90-minute UL-rated, without pins. Please contact SELECT for complete information about its fire-rated hinges.



NOTE: For double-door entrances with a mullion between the pair of doors, calculate each door width using the Single Door clearances.

For double-door entrances with a mullion behind the pair of doors, calculate each door width using the Double Doors clearances.

Tools Needed

- Metal-cutting saw
- #13 or 3/16" drill bit & 3/8" drill bit
- 5/32" drill bit (wood frames only)
- #3 Phillips drive
- 5/64" Allen wrench
- Hammer
- Shims

Parts Supplied

- #12-24 self-drilling, thread-forming (SDTF) 410 SS Phillips undercut flathead screws
- #12-24 self-drilling, thread-forming (SDTF) 410 SS Phillips undercut panhead screws
- 1/4-20 barrel nuts (sexnuts)
- 1/4-20 shoulder screws
- 7/32" center punch
- 3/8" center punch
- Set screws

Optional Parts

- #12 410 SS Phillips undercut flathead wood screws
- #12-24 thread-forming (TF) 410 SS Phillips undercut flathead screws
- Long barrel nuts for doors 2" — 2-1/4" thick
- Protective gloves are recommended

How to Cut the Hinge to Fit

- A. Keep hinge in "door closed" position (Fig. 1).
- B. Determine whether this will be a right-hand or left-hand installation.

IMPORTANT: Cut only one end of hinge. Cut end will be installed at the bottom. Keep original templated six-hole pattern at top end of hinge.

- C. Using a metal-cutting saw, begin the cut through the gear cap first.

NOTE: DO NOT cut through a set screw bearing.

- D. Loosen set screw from side of door leaf cover with 5/64" Allen wrench (Fig. 1).
- E. Remove door leaf cover by sliding it off uncut end of hinge.
- F. Reinstall any set screw bearing that may have been cut off.

A. Attach Hinge to Frame

NOTE: Remove door leaf cover if not already removed. See step D above.

1. Shim hinge to 1/8" below the header to allow for door clearance.
2. Hold hinge in "door open" position (Fig. 2) making sure frame leaf alignment flange is tight against frame face.
3. Mark (or centerpunch) two holes at top and two holes at bottom of frame leaf.

NOTE: TF screws and wood screws require pilot holes at marked locations. SDTF screws do not require pilot holes.

Fig. 1 Door Closed Position

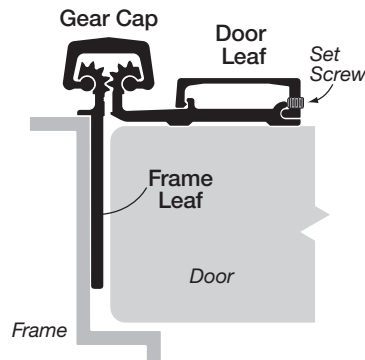
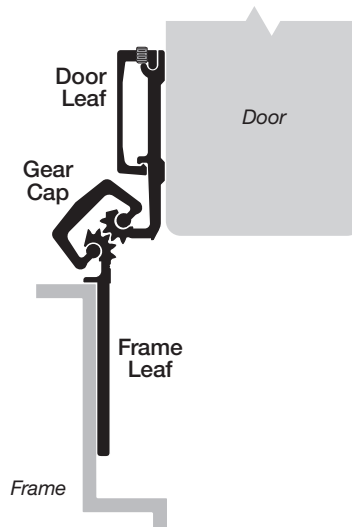


Fig. 2 Door Open 90°



4. If using SDTF screws, go to Step 5. If using TF or wood screws, drill holes at marked locations.
 - Metal frame: Use #13 (.185") bit or 3/16" (.188") bit
 - Wood frame: Use a 5/32" (.156") bit
5. Fasten frame leaf to door frame using two screws at the top and two screws at the bottom.
 - Metal frame: Use #12-24 TF flathead screws provided, or use #12-24 SDTF flathead screws (provided on request)
 - Wood frame: Use #12 flathead wood screws (provided on request)

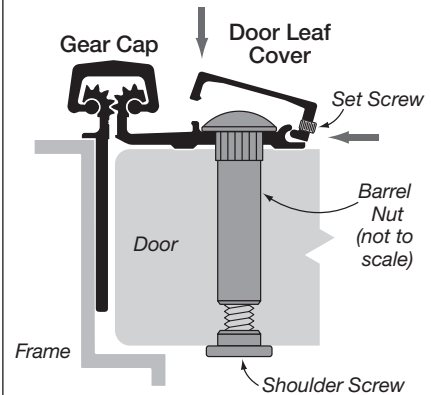
B. Prepare Door

6. Shim door into opening to provide required hinge clearances.

IMPORTANT: Top end of the hinge must be flush with the top of the door.

7. Mark locations for the four SDTF panhead screws on the door using 7/32" center punch.
8. With #3 Phillips drive, temporarily attach door leaf to door through the four locator holes with SDTF panhead screws provided.

Fig. 3 Leaf Cover Installation



SECURED SIDE, OUTSWING

NOTE: For inswing applications, reverse position of barrel nut and shoulder screw so that the shoulder screw is on the secured side of the door.

9. Remove shims and check door clearances, alignment and operation.

NOTE: Door may sag slightly when shims are removed. Note the amount of adjustment needed to bring door back into alignment.

DO NOT PROCEED UNTIL DOOR OPERATES PROPERLY.

10. Mark locations for barrel nuts on the door using 3/8" center punch.
11. Remove door and lay it flat. Use 3/8" drill bit to drill holes at marked locations.

NOTE: Be sure to drill squarely through door.

C. Attach Door to Hinge

12. Fasten door to door leaf with the barrel nuts and 1/4-20 shoulder screws.

NOTE: Always install shoulder screws on the secured side of the door (Fig. 3).

13. Mark (or centerpunch) remaining frame leaf hole locations. Drill holes in frame through the frame leaf and secure with flathead screws.

14. Secure door to door leaf with barrel nuts and 1/4-20 shoulder screws.

NOTE: Always install shoulder screws on the secured side of the door (Fig. 3).

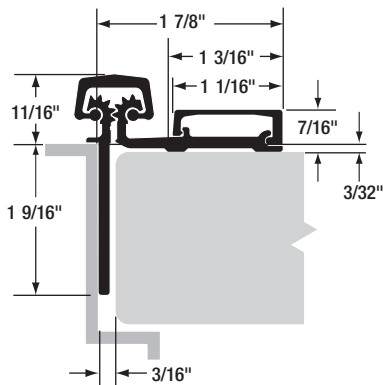
D. Install Leaf Cover

15. Align leaf cover with top edge of hinge.
16. Starting from the top and working downward, apply pressure to leaf cover to snap it into place (Fig. 3).

NOTE: If you use a hammer to tap cover into place, be sure to protect the surface of the cover from damage.

17. Tighten set screws with 5/64" Allen wrench.

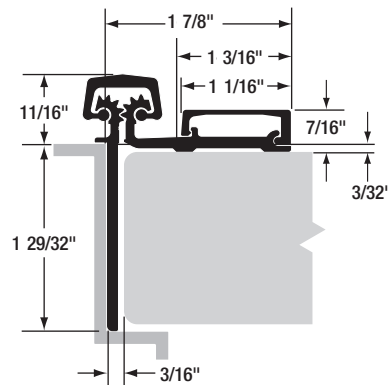
Charnelas continuas con engranajes para la mitad de la superficie



Información importante sobre la garantía:

Las siguientes acciones anularán cualquier garantía, expresa o implícita:

- El no instalar la bisagra según las especificaciones y los requisitos del fabricante. (Para obtener más información, visite selecthingerequirements.com.)
- Uso de sujetadores que no sean los que se suministran con la charnela.
- Modificaciones de campo no autorizadas, incluyendo la alteración o eliminación del lubricante aplicado de fábrica, alterar el acabado original o pintar la charnela.



Cálculo de las tolerancias requeridas para la puerta

Para puertas cuadradas y canteadas en bisel

IMPORTANTE: Todas las charnelas SELECT de longitud estándar se suministran un poco más pequeñas que la altura nominal de la puerta, para evitar problemas de tolerancia en el umbral o el piso.

IMPORTANTE: Todas las charnelas sin cortar SL53 y SL54 son por diestros o zurdos y están templadas. Después de cortarlas se hacen para diestros o zurdos. Si se requiere tener holgura de la puerta, instale una pieza continua de cuña debajo de la hoja de la puerta.

IMPORTANTE: Consulte el manual NFPA 80 para ver los requisitos de tolerancia para entradas clasificadas como resistentes al fuego.

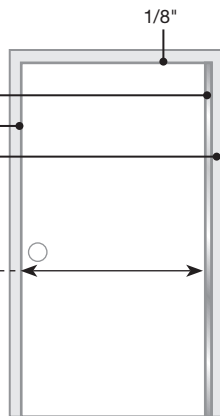
UNA SOLA PUERTA:

Tolerancia del lado de la charnela	5/32"
Tolerancia del lado del cerrojo	1/8"
Tolerancia de variación del marco	1/32"

Tolerancia de ancho total 5/16"

Para determinar el ancho de la puerta:

Reste la tolerancia de ancho total del ancho de la abertura del marco.



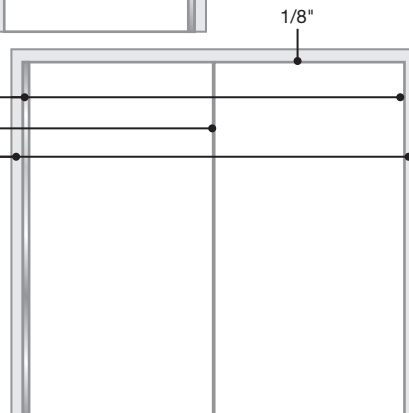
PUERTAS DOBLES (PAR):

Tolerancia del lado de la charnela	5/16" (5/32" x 2)
Tolerancia del lado del cerrojo	3/16"
Tolerancia de variación del marco	1/16" (1/32" x 2)

Tolerancia de ancho total 9/16"

Para determinar el ancho de la puerta:

Reste la tolerancia del ancho total del ancho de la abertura del marco y divida el resultado entre 2.



Refuerzo y remaches Rivnuts®

No es necesario ningún refuerzo para la charnela excepto si las puertas se usan con demasiada frecuencia, son extremadamente pesadas o son extra-anchas. Se recomienda usar remaches Rivnuts en el marco cuando la puerta excede de 450 lb (máximo 600 lb).

NOTA: Solamente deben usarse remaches Rivnuts de acero SELECT con charnelas SELECT clasificadas como resistentes al fuego.

Marcos empotrados en cemento

Para facilitar la instalación, se recomienda instalar una salpicadera detrás del marco. No use tornillos roscadores autorroscantes (SDTF) para taladrar en los marcos empotrados.

Si no se han usado salpicaderas, taladre cuidadosamente orificios guía a través del marco y quite el cemento para poder colocar el tornillo. No haga los orificios en el marco demasiado grandes.

Charnelas clasificadas como resistentes al fuego



Todas las charnelas SELECT en existencia están aprobadas por UL para 90 minutos, sin pasadores. Sírvase contactar a SELECT para obtener información completa acerca de las charnelas clasificadas como resistentes al fuego.

Para entradas de puertas dobles con entreventana entre las dos puertas, calcule el ancho de cada puerta usando las tolerancias para una sola puerta.

Para entradas de puertas dobles con entreventana detrás de las dos puertas, calcule el ancho de cada puerta usando las tolerancias para puertas dobles.

Herramientas necesarias

- Sierra para cortar metal
- Broca N° 13 o de 3/16" y broca de 3/8"
- Broca de 5/32" (solamente para marcos de madera)
- Destornillador Phillips N° 3
- Llave Allen de 5/64"
- Martillo
- Cuñas

Piezas suministradas

- Tornillos Phillips roscadores autorroscantes (SDTF) de acero inoxidable N° 12-24 de cabeza plana sesgada
- Tornillos Phillips de acero inoxidable 410 roscadores autorroscantes (SDTF) N° 12-24 de cabeza troncocónica sesgada
- Tuercas cilíndricas de 1/4-20
- Tornillos de tope de 1/4-20
- Punzón de 7/32"
- Punzón de 3/8"
- Tornillos de ajuste

Piezas opcionales

- Tornillos Phillips de acero inoxidable 410 N° 12 de cabeza plana sesgada, para madera
- Tornillos Phillips de acero inoxidable 410 roscadores (TF) N° 12-24 de cabeza plana sesgada
- Tuercas cilíndricas largas para puertas de 2" a 2 1/4" de grosor
- Se recomienda el uso de guantes protectores

Cómo cortar la charnela al tamaño

- Mantenga la charnela en la posición de "puerta cerrada" (Fig. 1).
- Determine si ésta será una instalación para diestros o zurdos.

IMPORTANTE: Corte solamente un extremo de la charnela. El extremo cortado se instalará en la parte inferior. Guarde el patrón de templado original de seis orificios en el extremo superior de la charnela.

- Usando una sierra para cortar metal, comience el corte primero por la tapa de la charnela.

NOTA: NO corte por el rodamiento del tornillo de ajuste.

- Afloje el tornillo opresor del lado de la cubierta de la hoja de la puerta con una llave Allen de 5/64" (Fig. 1).
- Quite la cubierta de la hoja de la puerta deslizando por el extremo sin cortar de la charnela.
- Vuelva a instalar cualquier rodamiento del tornillo de ajuste que pudiera haberse cortado.

A. Fije la charnela al marco

NOTA: Retire la cubierta de la hoja de la puerta si no lo ha hecho todavía. Vea el paso D arriba.

- Coloque cuñas en la charnela a 1/8" debajo del travesaño para dejar tolerancia para la puerta.
- Sostenga la charnela en la posición de "puerta abierta" (Fig. 2) y asegúrese de que el reborde de alineación de la hoja del marco esté ajustado contra la cara del marco.
- Marque (o punce) dos orificios en la parte superior y dos orificios en la parte inferior de la hoja del marco.

Fig. 1 Posición de puerta cerrada

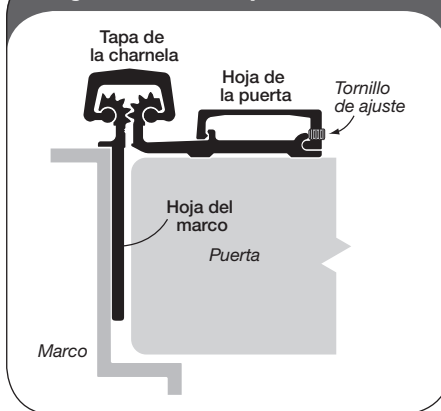
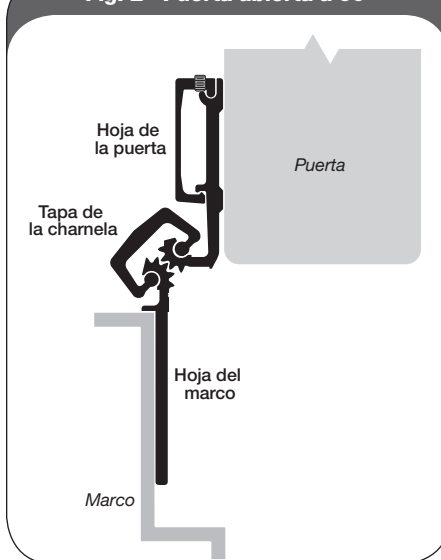


Fig. 2 Puerta abierta a 90°



NOTA: Los tornillos roscadores (TF) y los de madera necesitan orificios piloto en las ubicaciones marcadas. Los tornillos roscadores autorroscantes (SDTF) no necesitan orificios piloto.

- Si va a usar tornillos roscadores autorroscantes (SDTF), vaya al paso 5. Si va a usar tornillos roscadores (TF) o para madera, taladre orificios en los lugares marcados.
 - Marco de metal: Use una broca N° 13 (0,185") o de 3/16" (0,188")
 - Marco de madera: Use una broca de 5/32" (0,156")
- Sujete la hoja del marco al marco de la puerta usando dos tornillos en la parte superior y dos tornillos en la parte inferior.
 - Marco de metal: Use los tornillos de cabeza plana roscadores TF N° 12-24 provistos o use tornillos de cabeza plana roscadores autorroscantes (SDTF) N° 12-24 (provistos bajo pedido)
 - Marco de madera: Use tornillos de cabeza plana para madera N° 12 (provistos bajo pedido)

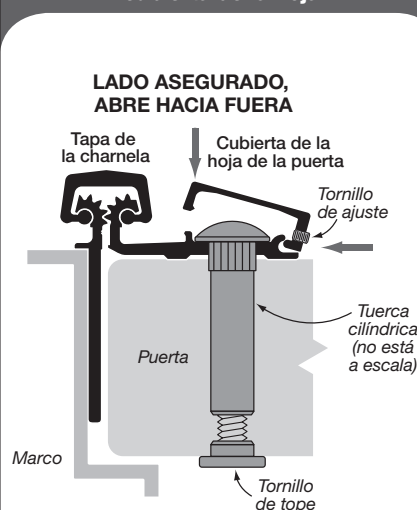
B. Preparación de la puerta

- Acúñe la puerta en la abertura para proporcionar las tolerancias requeridas para la charnela.

IMPORTANTE: El extremo superior de la charnela debe estar alineado con la parte superior de la puerta.

- Marque las ubicaciones para los cuatro tornillos roscadores autorroscantes (SDTF) de cabeza troncocónica en la puerta usando el punzón de 7/32".

Fig. 3 Instalación de la cubierta de la hoja



NOTA: Para las aplicaciones con abertura hacia dentro, invierta la posición de la tuerca cilíndrica y del tornillo de tope para que del tornillo de tope esté en el lado asegurado de la puerta.

- Con el destornillador Phillips N° 3, sujete provisoriamente la hoja de la puerta a la puerta a través de los cuatro orificios de ubicación con los tornillos roscadores autorroscantes (SDTF) de cabeza troncocónica provistos.
- Quite las cuñas y verifique las tolerancias, la alineación y el funcionamiento de la puerta.

NOTA: La puerta puede caer ligeramente cuando se quitan las cuñas. Fíjese cuánto debe ajustar la puerta para alinearla. **NO CONTÍNE HASTA QUE LA PUERTA FUNCIONE COMO ES DEBIDO.**

- Marque las ubicaciones para las tuercas cilíndricas en la puerta usando el punzón de 3/8".
- Retire la puerta y colóquela en posición horizontal. Use una broca de 3/8" para taladrar los orificios en los lugares marcados.

NOTA: Cerciórese de taladrar la puerta en forma recta.

C. Fije la puerta a la charnela

- Asegure la puerta a la hoja de la puerta con las tuercas cilíndricas y los tornillos de tope de 1/4-20.

NOTA: Instale los tornillos de tope siempre en el lado asegurado de la puerta (Fig. 3).

- Marque (o punce) los lugares restantes de los orificios de la hoja del marco. Taladre los orificios en el marco a través de la hoja del marco y asegúrelos con los tornillos de cabeza plana.
- Asegure la puerta a la hoja de la puerta con las tuercas cilíndricas y los tornillos de tope de 1/4-20.

NOTA: Instale los tornillos de tope siempre en el lado asegurado de la puerta (Fig. 3).

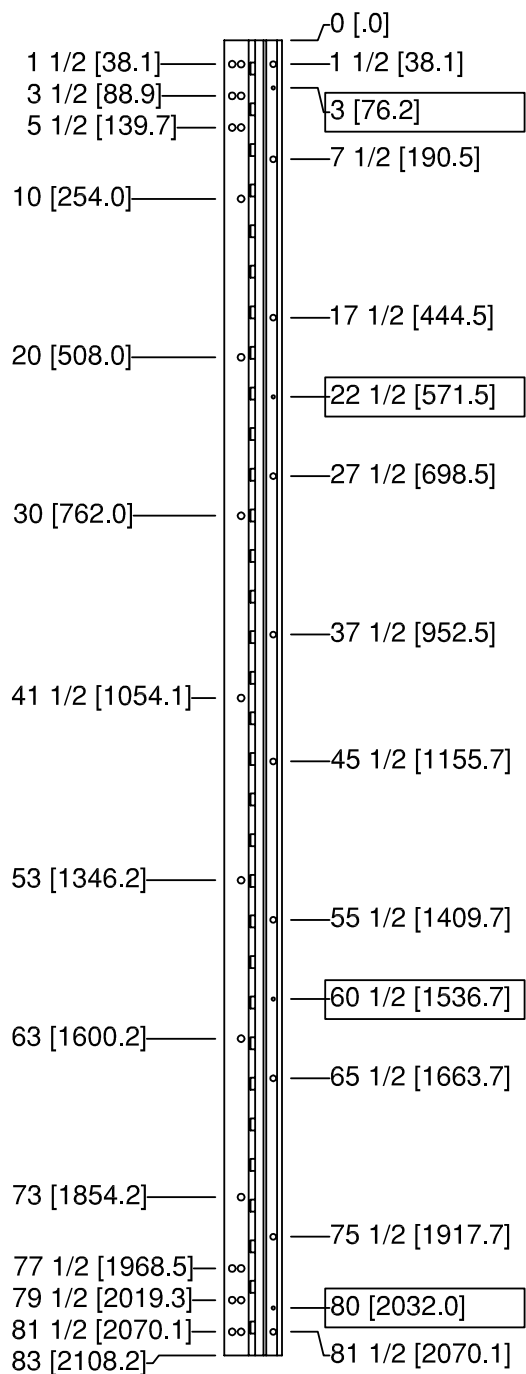
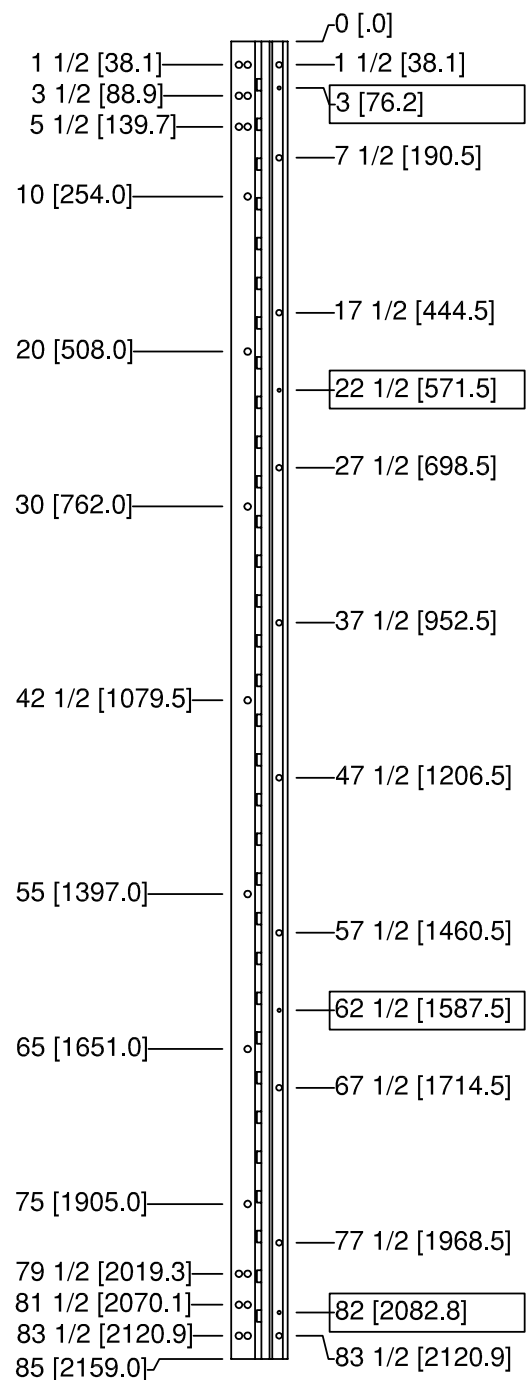
D. Instale la cubierta de la hoja

- Alinee la cubierta de la hoja con el extremo superior de la charnela.
- Comenzando desde la parte superior y trabajando hacia abajo, aplique presión a la cubierta de la hoja para encajarla en su lugar (Fig. 3).

NOTA: Si usa un martillo para colocar la cubierta en su lugar, dé pequeños golpes asegurándose de proteger de daños la superficie de la cubierta.

- Apriete los tornillos de ajuste con una llave Allen de 5/64".

- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes.
- Dimensions shown inside boxes are locator screw mounting holes.

**For 83" HD
Models SL53, SL54**
29 fasteners / 32 bearings
FRAME LEAF HOLES
DOOR LEAF HOLES

**For 85" HD
Models SL53, SL54**
29 fasteners / 32 bearings
FRAME LEAF HOLES
DOOR LEAF HOLES


TEMPLATES

Half Surface Geared Hinges



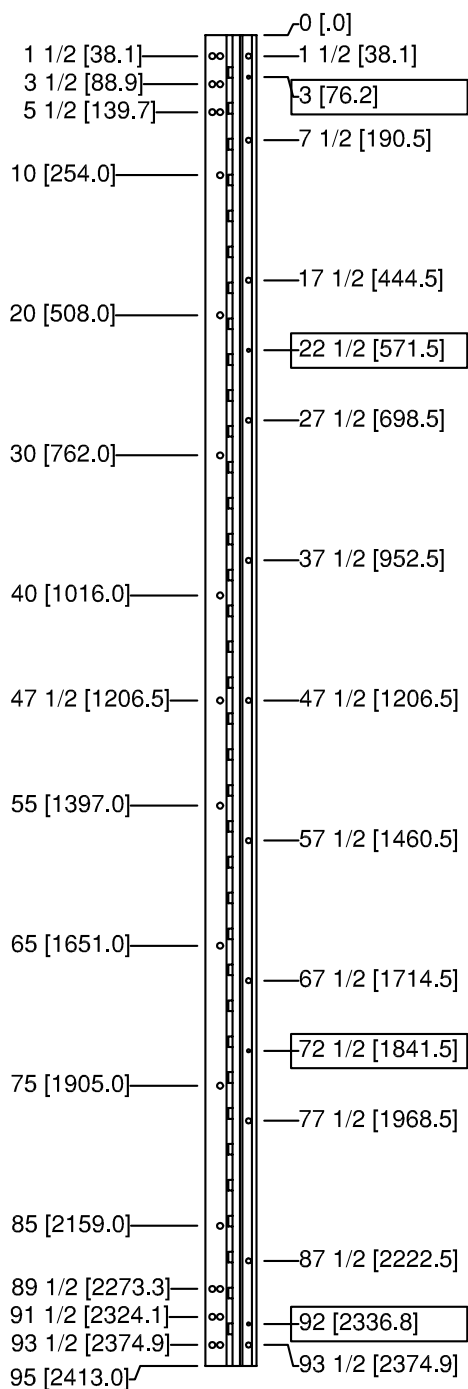
- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes.
- Dimensions shown inside boxes are locator screw mounting holes.

For 95" HD Models SL53, SL54

33 fasteners / 36 bearings

FRAME LEAF HOLES

DOOR LEAF HOLES

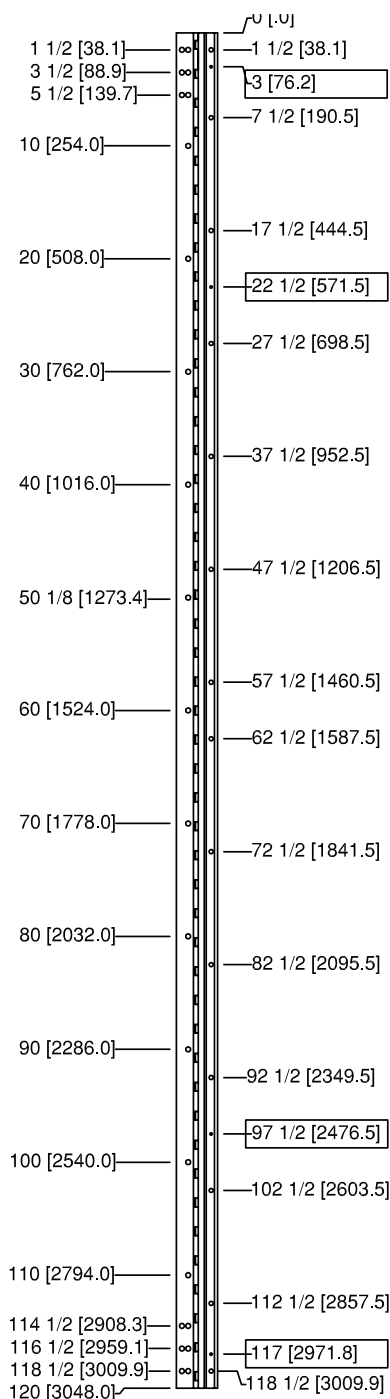


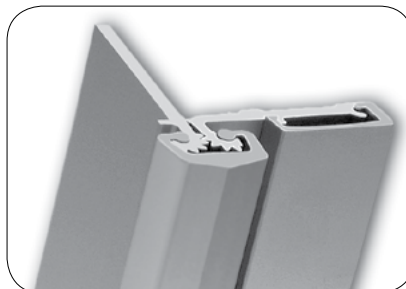
For 120" HD Models SL53, SL54

37 fasteners / 47 bearings

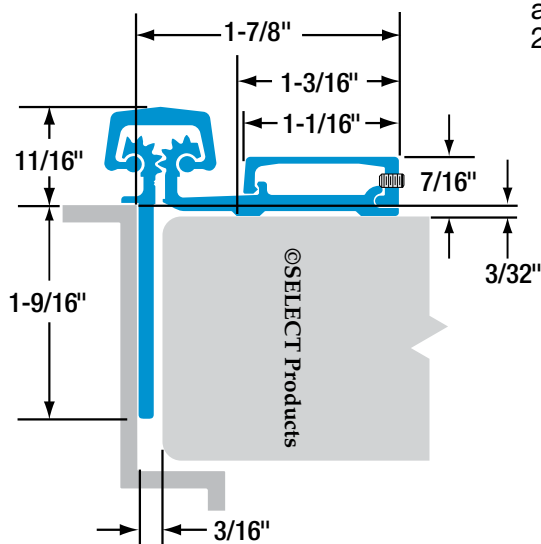
FRAME LEAF HOLES

DOOR LEAF HOLES





- Narrow frame leaf
- Tamper-resistant, removable door leaf cover
- 3/32" door inset
- Standard barrel nuts accommodate 1-3/8" to 1-3/4" doors
- Long barrel nuts available for 2" to 2-1/4" doors



NOTES:



prove SELECT hinges withstand 25 million cycles — more than 60 years of high-traffic use. Pair-Matched™ hinge leaves, lifetime lubrication and anodizing after machining deliver the longest life of any continuous hinge.

Tested to last 60+ years
CONTINUOUS
WARRANTY

TM

Continuous Warranty. It covers any failure of our aluminum geared continuous hinges — with no expiration date — as long as they are properly installed. Durability and worry-free performance ... guaranteed in writing. ***The warranty that never ends for the hinge that never quits.***SM

wedges and other tools in the Forced Entry Test.
Approved for use in U.S. embassies overseas.

Geared to ship in
48 HOURS™

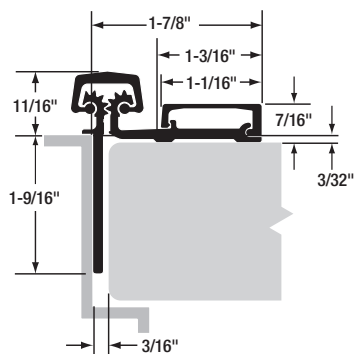
SELECT ships hinges faster than anyone in the industry. 99.9% of our hinge orders ship in 48 hours; more than half are shipped in only 24 hours. Projects won't be delayed while waiting weeks for hinges.



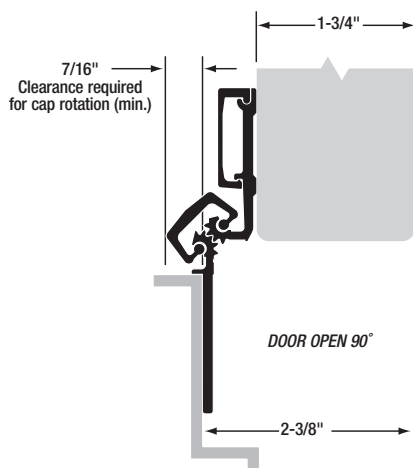
**SELECT
HINGES™**

SL53 Half Surface Geared Continuous Hinge

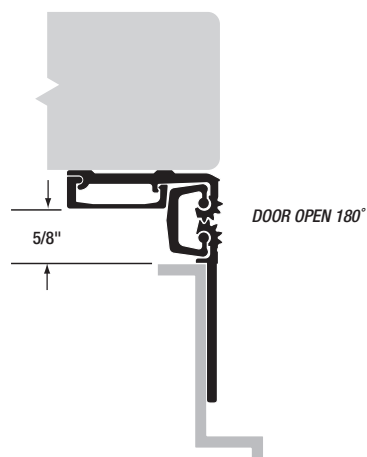
SPECIFICATIONS



DOOR CLOSED



DOOR OPEN 90°



DOOR OPEN 180°

MATERIAL: Extruded 6063 T6 aluminum alloy with self-lubricating polyester thrust bearings.

LENGTHS: 83", 85", 95" and 120" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY RATINGS: For 1-3/8" – 1-3/4" doors standard; long barrel nuts available for 2" – 2-1/4" doors. 48" max. door width in 16 gauge hollow metal (min.) or 1/8" aluminum (min.).

Heavy Duty – Tested per BHMA standards. Up to 200 lb. doors (high-frequency) and up to 400 lb. doors (medium-frequency) without frame or door reinforcement; up to 600 lb. doors (low-frequency) with the use of Rivnuts in the frame.

FINISHES: All SL53 hinges are stocked in 204R1 Clear (.4–.7 mil) AA-M12C22A31 and 215R1 Dark Bronze (.7 mil and thicker) AA-M12C22A44 anodized aluminum. Custom anodized or painted finishes are available. Product painted or anodized in the field voids the SELECT hinge warranty.

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify length, finish and heavy duty (HD). Also, specify door and frame screw applications. 12-24 x 3/4" self-drilling, thread-forming 410SS Phillips undercut flathead screws, 1/4-20 through-bolts and 1/4-20 shoulder screws (for doors up to 1-3/4" thick) are provided as a standard pack unless otherwise specified. Wood and thread-forming screws also available. Security screws optional at extra cost.

AVAILABLE ELECTRIC PREPS: EPT.

BHMA CERTIFICATION: SL53HD geared continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.



SL53 HINGE SCREW COUNT

HINGE LENGTH & DUTY RATING	DOOR SCREWS	FRAME SCREWS
83" HD	10	19
85" HD	10	19
95" HD	11	21
120" HD	14	23

SPECIFICATIONS

SL53 Half Surface Geared Continuous Hinge



SELECT Advantages



PAIR-MATCHED™ HINGE LEAVES

Manufactured together, machined together and anodized together, making SELECT hinges fit your doors better and last longer. *An exclusive SELECT benefit.*



LIFETIME LUBRICATION

Eliminates the need for periodic maintenance. Quiet performance. Fights gear cap wear. *An exclusive SELECT benefit.*



ANODIZED AFTER MACHINING

Delivers superior wear, durability and life. Inhibits corrosion. Few hinge makers follow SELECT's lead in using this superior manufacturing process.



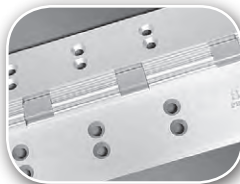
MEETS LEED REQUIREMENTS

Made from recycled aluminum. Reduces environmental impact and qualifies for LEED points. *An exclusive SELECT benefit.*



PATENTED 3-HR. FIRE RATING

Most SELECT hinges are fire rated for **90 minutes. 3-Hr. fire rating**, optional at extra cost, approved for positive/negative pressure. No fire pins or studs required. Patented design innovation. *An exclusive SELECT benefit.*



CONSISTENT TEMPLATING

Hole pattern is identical on both Standard and Heavy Duty models, so SELECT hinges line up precisely for easier and faster installation. *An exclusive SELECT benefit.*



COATED FASTENERS

Provide additional corrosion protection with either self-drilling, thread-forming (SDTF) or thread-forming (TF) screws. *An exclusive SELECT benefit.*



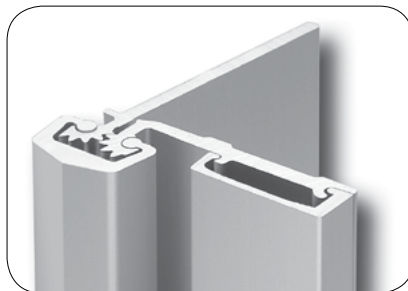
CUSTOM COLORS

Match any paint color on the gear cap or the entire hinge and fasteners, including our always-in-stock Bone White gear caps. Anodized colors also available.

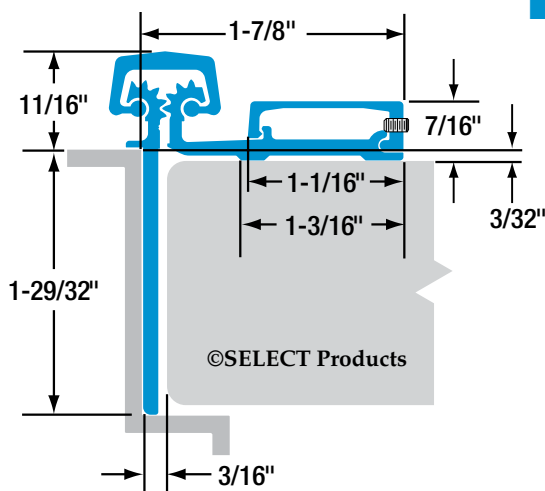
SELECT Hinge Performance

- A SELECT geared continuous hinge has been tested in accordance with ANSI 250.4-1994 test procedure and acceptance criteria for physical endurance for steel doors and hardware and has surpassed 25,000,000 cycles during testing by an independent laboratory. On a door cycling 400,000 times per year, a SELECT hinge will be performing for over 62 years.
- SELECT geared continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- The revolutionary SELECT geared continuous hinge puts an end to costly and irritating hinge failure problems, the most common cause of entrance failure.
- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
- SELECT geared continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier. When the door is closed, there are no accessible screws, bolts or pins.
- SELECT SL53 geared continuous hinges are listed and tested by Underwriters Laboratories to meet the Positive and Negative pressure requirements of UL10B and UL10C, and are in accordance with UBC 7.2 (1997). SELECT SL53 geared continuous hinges are for use on swinging single fire doors (max. door opening of 4'x10') or pairs of fire doors (max. door opening of 8'x10'), including double egress, installed in masonry or drywall. SELECT SL53 geared continuous hinges are rated for up to 1-1/2 hours for wood composite and wood core type fire doors. A special patented process can be added to increase the fire rating to 3 hours (NO FIRE PINS OR STUDS REQUIRED) for hollow metal or steel covered composite type doors.





- Frame leaf covers butt hinge preps
- Tamper-resistant, removable door leaf cover
- 3/32" door inset
- Standard barrel nuts accommodate 1-3/8" to 1-3/4" doors
- Long barrel nuts available for 2" to 2-1/4" doors



NOTES:



Reduce maintenance costs and hassles. Independent lab tests on an FRP door

Tested to last 60+ years
**CONTINUOUS
WARRANTY**™

Because SELECT geared continuous hinges have proven themselves in independent testing, we offer the industry's only

After brutal testing, the State Department granted a SELECT geared continuous hinge its 60-minute certification — the department's highest level. The hinge deflected bullets in the Ballistic Resistance Test and withstood sledgehammers.

Geared to ship in



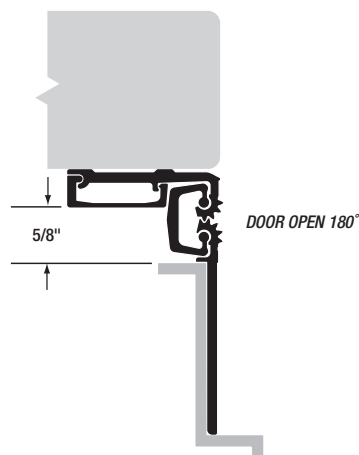
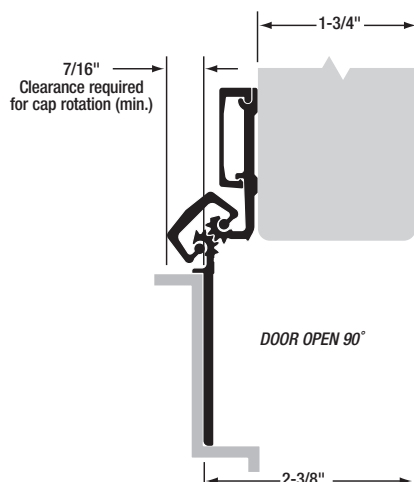
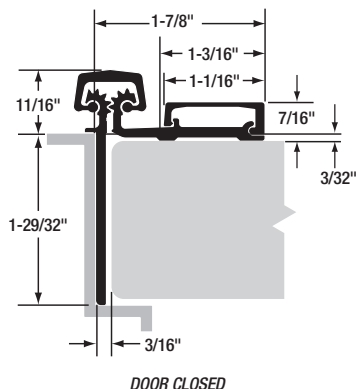
SELECT ships hinges faster than anyone in the industry. 99.9% of our hinge orders ship in 48 hours; more than half are shipped in only 24 hours. Projects won't be delayed while waiting weeks for hinges.



**SELECT
HINGES™**

SL54 Half Surface Geared Continuous Hinge

SPECIFICATIONS



MATERIAL: Extruded 6063 T6 aluminum alloy with self-lubricating polyester thrust bearings.

LENGTHS: 83", 85", 95" and 120" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY RATINGS: For 1-3/8" – 1-3/4" doors standard; long barrel nuts available for 2" – 2-1/4" doors. 48" max. door width in 16 gauge hollow metal (min.) or 1/8" aluminum (min.).

Heavy Duty – Tested per BHMA standards. Up to 200 lb. doors (high-frequency) and up to 400 lb. doors (medium-frequency) without frame or door reinforcement; up to 600 lb. doors (low-frequency) with the use of Rivnuts in the frame.

FINISHES: All SL54 hinges are stocked in 204R1 Clear (.4–.7 mil) AA-M12C22A31 and 215R1 Dark Bronze (.7 mil and thicker) AA-M12C22A44 anodized aluminum. Custom anodized or painted finishes are available. Product painted or anodized in the field voids the SELECT hinge warranty.

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify length, finish and heavy duty (HD). Also, specify door and frame screw applications. 12-24 x 3/4" self-drilling, thread-forming 410SS Phillips undercut flathead screws, 1/4-20 through-bolts and 1/4-20 shoulder screws (for doors up to 1-3/4" thick) are provided as a standard pack unless otherwise specified. Wood and thread-forming screws also available. Security screws optional at extra cost.

AVAILABLE ELECTRIC PREPS: EPT.

BHMA CERTIFICATION: SL54HD geared continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.

SL54 HINGE SCREW COUNT		
HINGE LENGTH & DUTY RATING	DOOR SCREWS	FRAME SCREWS
83" HD	10	19
85" HD	10	19
95" HD	11	21
120" HD	14	23

SPECIFICATIONS

SL54 Half Surface Geared Continuous Hinge



SELECT Advantages



PAIR-MATCHED™ HINGE LEAVES

Manufactured together, machined together and anodized together, making SELECT hinges fit your doors better and last longer. *An exclusive SELECT benefit.*



LIFETIME LUBRICATION

Eliminates the need for periodic maintenance. Quiet performance. Fights gear cap wear. *An exclusive SELECT benefit.*



ANODIZED AFTER MACHINING

Delivers superior wear, durability and life. Inhibits corrosion. Few hinge makers follow SELECT's lead in using this superior manufacturing process.



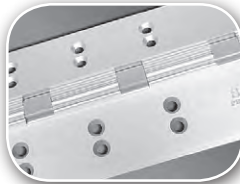
MEETS LEED REQUIREMENTS

Made from recycled aluminum. Reduces environmental impact and qualifies for LEED points. *An exclusive SELECT benefit.*



PATENTED 3-HR. FIRE RATING

Most SELECT hinges are fire rated for **90 minutes. 3-Hr. fire rating**, optional at extra cost, approved for positive/negative pressure. No fire pins or studs required. Patented design innovation. *An exclusive SELECT benefit.*



CONSISTENT TEMPLATING

Hole pattern is identical on both Standard and Heavy Duty models, so SELECT hinges line up precisely for easier and faster installation. *An exclusive SELECT benefit.*



COATED FASTENERS

Provide additional corrosion protection with either self-drilling, thread-forming (SDTF) or thread-forming (TF) screws. *An exclusive SELECT benefit.*



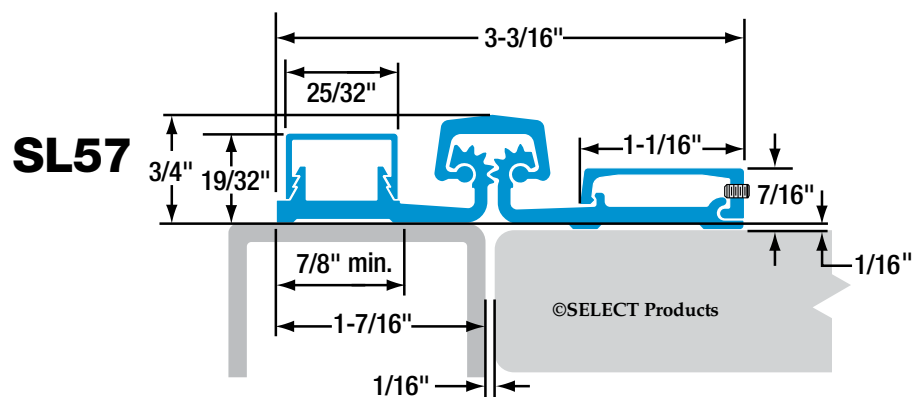
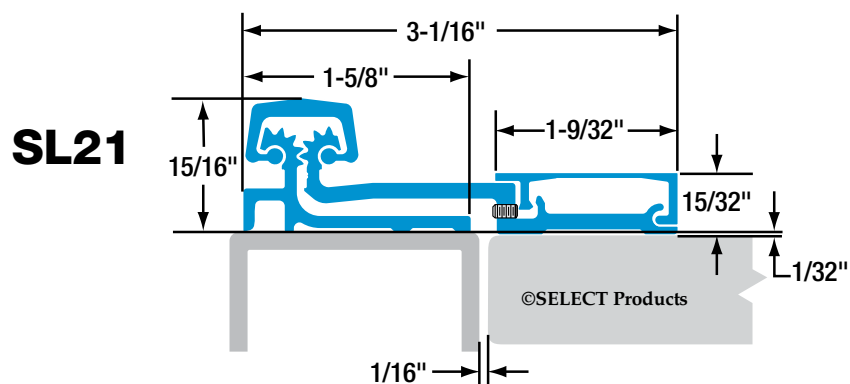
CUSTOM COLORS

Match any paint color on the gear cap or the entire hinge and fasteners, including our always-in-stock Bone White gear caps. Anodized colors also available.

SELECT Hinge Performance

- A SELECT geared continuous hinge has been tested in accordance with ANSI 250.4-1994 test procedure and acceptance criteria for physical endurance for steel doors and hardware and has surpassed 25,000,000 cycles during testing by an independent laboratory. On a door cycling 400,000 times per year, a SELECT hinge will be performing for over 62 years.
- SELECT geared continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- The revolutionary SELECT geared continuous hinge puts an end to costly and irritating hinge failure problems, the most common cause of entrance failure.
- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
- SELECT geared continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier. When the door is closed, there are no accessible screws, bolts or pins.
- SELECT SL54 geared continuous hinges are listed and tested by Underwriters Laboratories to meet the Positive and Negative pressure requirements of UL10B and UL10C, and are in accordance with UBC 7.2 (1997). SELECT SL54 geared continuous hinges are for use on swinging single fire doors (max. door opening of 4'x10') or pairs of fire doors (max. door opening of 8'x10'), including double egress, installed in masonry or drywall. SELECT SL54 geared continuous hinges are rated for up to 1-1/2 hours for wood composite and wood core type fire doors. A special patented process can be added to increase the fire rating to 3 hours (NO FIRE PINS OR STUDS REQUIRED) for hollow metal or steel covered composite type doors.

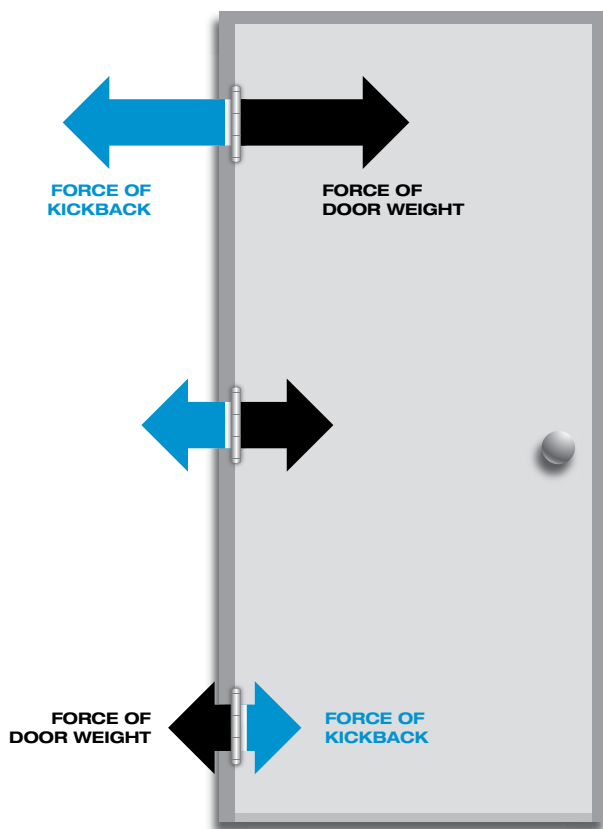




Full Surface Geared Continuous Hinges

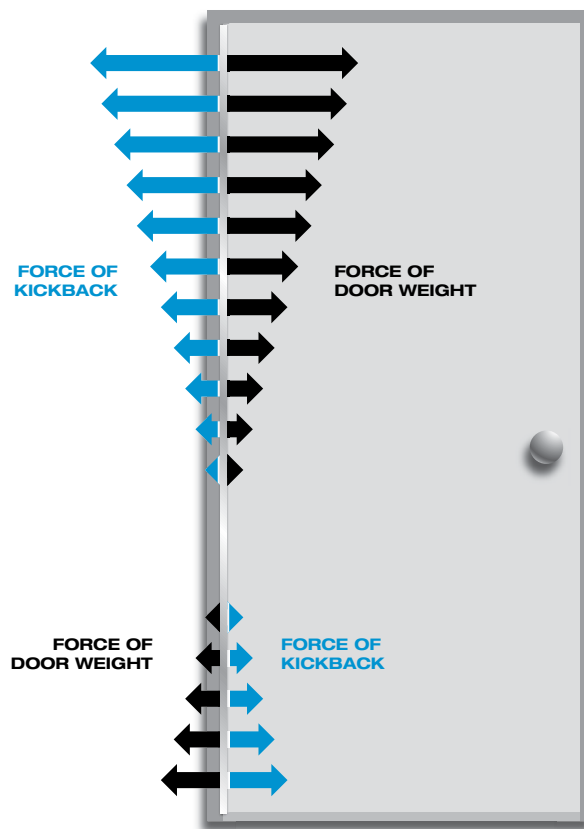


Hinge failure is the most common cause of entrance failure. The revolutionary SELECT geared continuous hinge puts an end to costly and frustrating hinge failure problems.



Conventional butt hinges

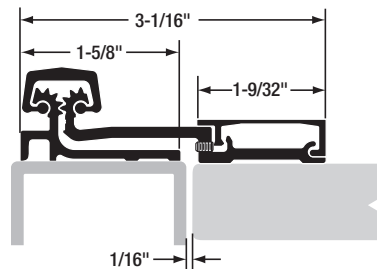
On conventional hinges, opening and "kickback" energy from closers and automatic operators concentrates on the top butt hinge. This force works against the top hinge, eventually forcing it apart or pulling it from the frame/door.



Continuous hinges

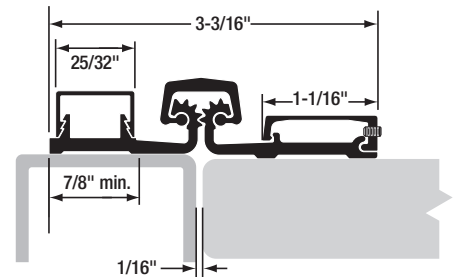
SELECT continuous hinges unite the door and frame into an integrated, sag-free unit. "Kickback" energy dissipates along the entire length of the door and frame and prevents hinge failure.

Full Surface Geared Continuous Hinges

SL21


Model SL21 requires repositioning of existing overhead closer(s) to match the swing clear pivot point of the hinge. Failure to do so will prevent the door from opening more than 70 degrees. Attach hinge leaf cover before reinstalling closer(s).

Model SL57 requires a minimum 7/8" frame face width for mounting. On wider frames, mark a line at 1" to 1-5/16" from center of clearance between frame and closed door. Align the edge of hinge frame leaf with mark.

SL57


Important Warranty Information:

The following actions will void any warranty, expressed or implied:

- Failure to install the hinge according to manufacturer's specifications and requirements. (For more information, visit selecthingerequirements.com.)
- Use of fasteners other than those supplied with the hinge.
- Unauthorized field modifications, including alteration or removal of the factory-applied lubricant, altering the original finish or painting the hinge.

Calculating Required Door Clearances

For Square and Beveled-Edge Doors

IMPORTANT: All standard length SELECT hinges are supplied slightly shorter than nominal door height to avoid threshold or flooring clearance problems.

IMPORTANT: SL21 and SL57 are non-handed and templated, and remain non-handed after cutting. If door inset is required, install a continuous piece of shim under the door leaf.

IMPORTANT: Refer to NFPA 80 manual for clearance requirements on fire-rated entrances.

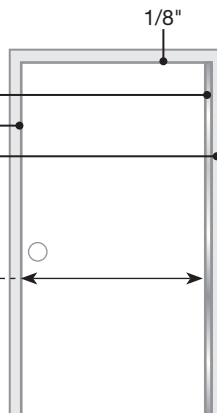
SINGLE DOOR:

Hinge side clearance	0"
Latch side clearance	1/8"
Frame variance clearance	1/16"

Total Width Clearance **3/16"**

To determine door width:

Subtract the Total Width Clearance from the width of the frame opening.



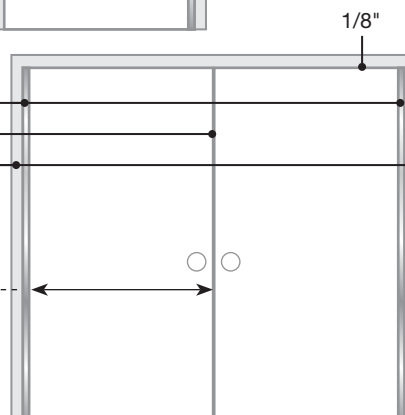
DOUBLE DOORS (PAIR):

Hinge side clearance	0"
Latch side clearance	3/16"
Frame variance clearance	1/8" (1/16" x 2)

Total Width Clearance **5/16"**

To determine door width:

Subtract the Total Width Clearance from the width of the frame opening; divide the result by 2.



Reinforcing & Rivnuts®

No hinge reinforcement is necessary except on extremely high-frequency, extremely heavy or extra-wide doors. Rivnuts are recommended for use in the frame when the door exceeds 450 lb. (max. 600 lb.).

NOTE: Only SELECT steel Rivnuts are to be used with fire-rated SELECT hinges.

Grouted/Slushed-in Frames

For ease of installation, it is recommended some sort of mudguard be installed behind the frame. Do not use self-drilling, thread-forming (SDTF) screws to drill into grouted frames. If mudguards have not been used, carefully drill pilot holes through frame and remove grout for screw clearance. Do not oversize holes in frame.

Fire-Rated Hinges

All stock SELECT hinges are 90-minute UL-rated, without pins. Please contact SELECT for complete information about its fire-rated hinges.



For double-door entrances with a mullion between the pair of doors, calculate each door width using the Single Door clearances.

For double-door entrances with a mullion behind the pair of doors, calculate each door width using the Double Doors clearances.

Tools Needed

- Metal-cutting saw
- #13 or 3/16" drill bit & 3/8" drill bit
- 5/32" drill bit (wood frames only)
- #3 Phillips drive
- 5/64" Allen wrench
- Hammer
- Shims

Parts Supplied

- #12-24 self-drilling, thread-forming (SDTF) 410 SS Phillips undercut flathead screws
- #12-24 self-drilling, thread-forming (SDTF) 410 SS Phillips undercut panhead screws
- 1/4-20 barrel nuts (sexnuts)
- 1/4-20 shoulder screws
- 7/32" center punch
- 3/8" center punch
- Set screws

Optional Parts

- #12 410 SS Phillips undercut flathead wood screws
- #12-24 thread-forming (TF) 410 SS Phillips undercut flathead screws
- Long barrel nuts for 2" to 2-1/4" thick doors
- Protective gloves are recommended

How to Cut the Hinge to Fit

- A. Keep hinge in "door closed" position (Fig. 1).
- B. Using a metal-cutting saw, begin the cut through the gear cap first.

NOTE: DO NOT cut through a set screw bearing.

- C. Loosen set screw (if necessary) from side of door leaf cover with 5/64" Allen wrench (Fig. 1).
- D. Remove door leaf cover by sliding it off uncut end of hinge.
- E. Reinstall any set screw bearing that may have been cut off.

A. Attach Hinge to Frame

NOTE: Remove leaf cover(s) if not already removed. See step C above for door cover.

1. Shim hinge to 1/8" below the header to allow for door clearance.
2. Hold hinge in "door open" position (Fig. 2) and align frame leaf with inner edge of door frame or your alignment mark.
3. Mark (or centerpunch) two holes at top and two holes at bottom of frame leaf.

NOTE: TF screws and wood screws require pilot holes at marked locations. SDTF screws do not require pilot holes.

4. If using SDTF screws, go to Step 5. If using TF or wood screws, drill holes at marked locations.
 - Metal frame: Use #13 (.185") bit or 3/16" (.188") bit
 - Wood frame: Use 5/32" (.156") bit
5. Fasten frame leaf to door frame using two screws at the top and two screws at the bottom.

Fig. 1 Hinge Installed - Door Closed Position



Fig. 2 Door Open Position - Leaf Covers Removed

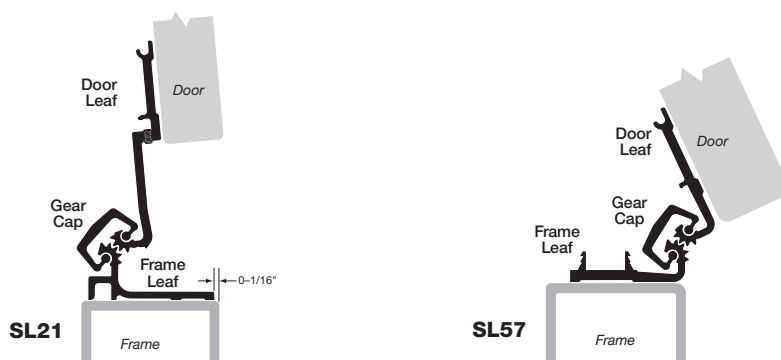
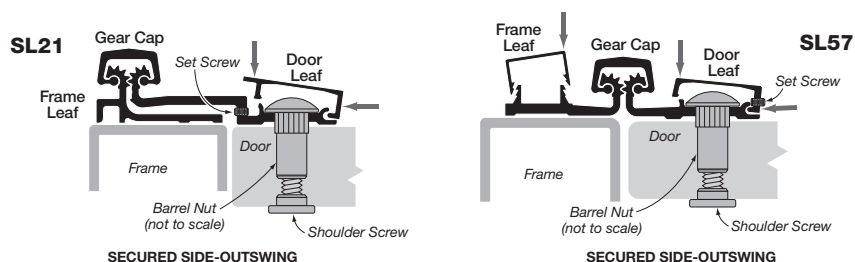


Fig. 3 Leaf Cover Installation



NOTE: For inswing applications, reverse position of barrel nut and shoulder screw so that the shoulder screw is on the secured side of the door.

- Metal frame: Use #12-24 TF flathead screws provided, or use #12-24 SDTF flathead screws (provided on request)
- Wood frame: Use #12 flathead wood screws (provided on request)

B. Prepare Door

6. Shim door into opening to provide required hinge clearances.

IMPORTANT: Top end of the hinge must be flush with the top of the door.

7. Mark locations for the four SDTF panhead screws on the door using 7/32" center punch.
8. With #3 Phillips drive, temporarily attach door leaf to door through the four locator holes with SDTF panhead screws provided.
9. Remove shims and check door clearances, alignment and operation.

NOTE: Door may sag slightly when shims are removed. Note the amount of adjustment needed to bring door back into alignment. **DO NOT PROCEED UNTIL DOOR OPERATES PROPERLY.**

10. Mark locations for barrel nuts on the door using 3/8" center punch.

11. Remove door and lay it flat. Use 3/8" drill bit to drill holes at marked locations.

NOTE: Be sure to drill squarely through door.

C. Attach Door to Hinge

12. Fasten door to door leaf with the barrel nuts and 1/4-20 shoulder screws.

NOTE: Always install shoulder screws on the secured side of the door (Fig. 3).

13. Mark (or centerpunch) remaining frame leaf hole locations. Drill holes in frame through the frame leaf and secure with flathead screws.

14. Secure door to door leaf with barrel nuts and 1/4-20 shoulder screws.

NOTE: Always install shoulder screws on the secured side of the door (Fig. 3).

D. Install Leaf Covers

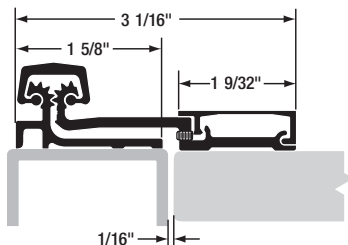
15. Align leaf cover with top edge of hinge.

16. Starting from the top and working downward, apply pressure to leaf cover to snap it into place (Fig. 3).

NOTE: If you use a hammer to tap cover into place, be sure to protect the surface of the cover from damage.

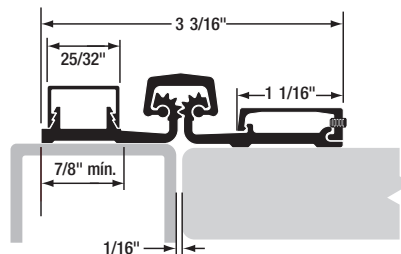
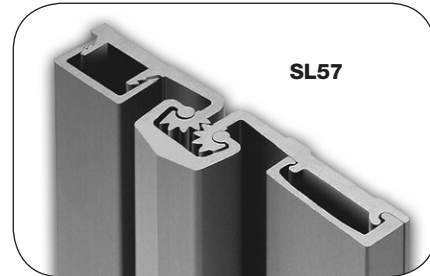
17. Tighten set screws with 5/64" Allen wrench.

Charnelas continuas con engranajes para la superficie completa

SL21


El modelo SL21 requiere el reposicionamiento del (de los) cierra puerta(s) superiores existente(s) para que encaje(n) con el punto de pivote de giro libre de la charnela. El no hacerlo hará que la puerta no se abra más de 70 grados. Fije la cubierta sobre la lámina de la charnela **antes** de reinstalar el (los) cierra puerta(s).

El modelo SL57 requiere que la cara del marco tenga un ancho mínimo para montar de 7/8". En marcos más anchos, marque una línea de 1" a 1 5/16" del centro de la tolerancia entre el marco y la puerta cerrada. Alinee el borde de la lámina del marco de la charnela con la marca.

SL57


Información importante sobre la garantía:

Las siguientes acciones anularán cualquier garantía, expresa o implícita:

- El no instalar la bisagra según las especificaciones y los requisitos del fabricante. (Para obtener más información, visite selecthingerequirements.com.)
- Uso de sujetadores que no sean los que se suministran con la charnela.
- Modificaciones de campo no autorizadas, incluyendo la alteración o eliminación del lubricante aplicado de fábrica, alterar el acabado original o pintar la charnela.

Cálculo de las tolerancias requeridas para la puerta

Para puertas cuadradas y canteadas en bisel

IMPORTANTE: Todas las charnelas SELECT de longitud estándar se suministran un poco más pequeñas que la altura nominal de la puerta, para evitar problemas de tolerancia en el umbral o el piso.

IMPORTANTE: Las charnelas SL21 y SL57 pueden usarse por diestros o zurdos y están templadas, permaneciendo con la opción de usarse ya sea con la mano derecha o la mano izquierda después del corte. Si se requiere tener holgura de la puerta, instale una pieza continua de cuña debajo de la hoja de la puerta.

IMPORTANTE: Consulte el manual NFPA 80 para ver los requisitos de tolerancia para entradas clasificadas como resistentes al fuego.

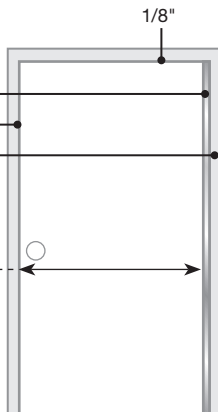
UNA SOLA PUERTA:

Tolerancia del lado de la charnela	0"
Tolerancia del lado del cerrojo	1/8"
Tolerancia de variación del marco	1/16"

Tolerancia de ancho total 3/16"

Para determinar el ancho de la puerta:

Reste la tolerancia de ancho total del ancho de la abertura del marco.



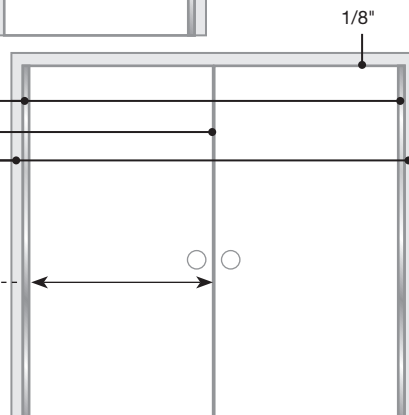
PUERTAS DOBLES (PAR):

Tolerancia del lado de la charnela	0"
Tolerancia del lado del cerrojo	3/16"
Tolerancia de variación del marco	1/8" (1/16" x 2)

Tolerancia de ancho total 5/16"

Para determinar el ancho de la puerta:

Reste la tolerancia del ancho total del ancho de la abertura del marco y divida el resultado entre 2.



Refuerzo y remaches Rivnuts®

No es necesario ningún refuerzo para la charnela excepto si las puertas se usan con demasiada frecuencia, son extremadamente pesadas o son extra anchas. Se recomienda usar remaches Rivnuts en el marco cuando la puerta excede de 450 lb (máximo 600 lb).

NOTA: Solamente deben usarse remaches Rivnuts de acero SELECT con charnelas SELECT clasificadas como resistentes al fuego.

Marcos empotrados en cemento

Para facilitar la instalación, se recomienda instalar una salpicadera detrás del marco. No use tornillos roscadores autorroscantes (SDTF) para taladrar en los marcos empotrados.

Si no se han usado salpicaderas, taladre cuidadosamente orificios guía a través del marco y quite el cemento para poder colocar el tornillo. No haga los orificios en el marco demasiado grandes.

Charnelas clasificadas como resistentes al fuego



Todas las charnelas SELECT en existencia están aprobadas por UL para 90 minutos, sin pasadores. Sírvase contactar a SELECT para obtener información completa acerca de las charnelas clasificadas como resistentes al fuego.

Para entradas de puertas dobles con entreventana entre las dos puertas, calcule el ancho de cada puerta usando las tolerancias para una sola puerta.

Para entradas de puertas dobles con entreventana detrás de las dos puertas, calcule el ancho de cada puerta usando las tolerancias para puertas dobles.

Herramientas necesarias

- Sierra para cortar metal
- Broca N° 13 o de 3/16" y broca de 3/8"
- Broca de 5/32" (solamente para marcos de madera)
- Destornillador Phillips N° 3
- Llave Allen de 5/64"
- Martillo
- Cuñas

Piezas suministradas

- Tornillos Phillips roscadores autorroscantes (SDTF) N° 12-24 de cabeza plana sesgada
- Tornillos Phillips de acero inoxidable 410 roscadores autorroscantes (SDTF) N° 12-24 de cabeza troncocónica sesgada
- Tuercas cilíndricas de 1/4-20
- Tornillos de tope de 1/4-20
- Punzón de 7/32" y punzón de 3/8"
- Tornillos de ajuste

Piezas opcionales

- Tornillos Phillips de acero inoxidable 410 N° 12 de cabeza plana sesgada, para madera
- Tornillos Phillips de acero inoxidable 410 roscadores (TF) N° 12-24 de cabeza plana sesgada
- Tuercas cilíndricas largas para puertas con un espesor de 2" a 2 1/4"
- Se recomienda el uso de guantes protectores

Cómo cortar la charnela al tamaño

- Mantenga la charnela en la posición de "puerta cerrada" (Fig. 1).
- Usando una sierra para cortar metal, comience a cortar primero a través de la tapa del engranaje.

NOTA: NO corte por el rodamiento del tornillo de ajuste.

- Afile el tornillo de ajuste (si es necesario) del lado de la cubierta de la hoja de la puerta con una llave Allen de 5/64" (Fig. 1).
- Quite la cubierta de la hoja de la puerta deslizando la por el extremo sin cortar de la charnela.
- Vuelva a instalar cualquier rodamiento de los tornillos de ajuste que pudiera haberse cortado.

A. Fije la charnela al marco

NOTA: Retire la(s) cubierta(s) de la hoja si no lo ha hecho todavía. Vea el paso C anterior sobre la cubierta de la puerta.

- Coloque cuñas en la charnela a 1/8" debajo del travesaño para dejar tolerancia para la puerta.
- Sostenga la charnela en la posición de "puerta abierta" (Fig. 2) y alinee la hoja del marco con el borde interior del marco de la puerta o la marca de alineación.
- Marque (o punce) dos orificios en la parte superior y dos orificios en la parte inferior de la hoja del marco.

NOTA: Los tornillos roscadores (TF) y los de madera necesitan orificios piloto en las ubicaciones marcadas. Los tornillos roscadores autorroscantes (SDTF) no necesitan orificios piloto.

- Si va a usar tornillos roscadores autorroscantes (SDTF), vaya al paso 5. Si va a usar tornillos roscadores (TF) o para madera, taladre orificios en los lugares marcados.

- Marco de metal: Use una broca N° 13 (0,185") o de 3/16" (0,188")
- Marco de madera: Use una broca de 5/32" (0,156")

- Sujete la hoja del marco al marco de la puerta usando dos tornillos en la parte superior y dos tornillos en la parte inferior.

Fig. 1 Charnela instalada – Posición de puerta cerrada

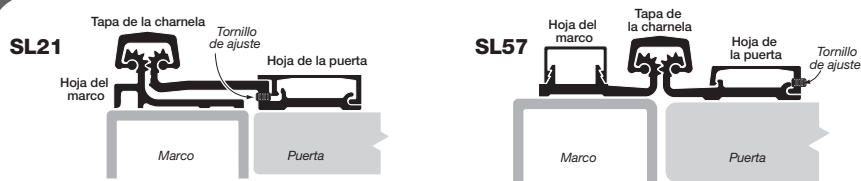


Fig. 2 Posición de puerta abierta – Sin cubiertas de la hoja

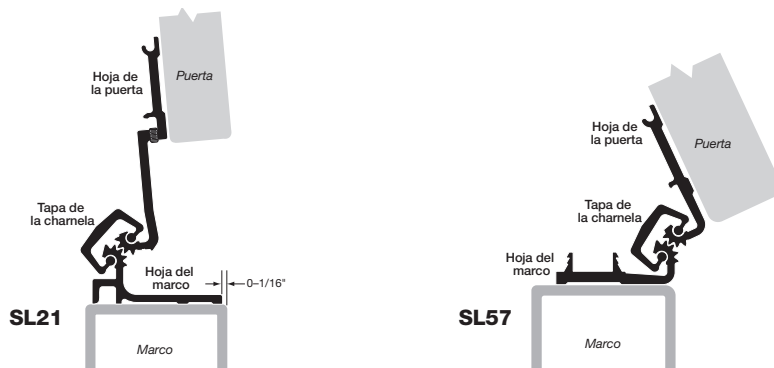
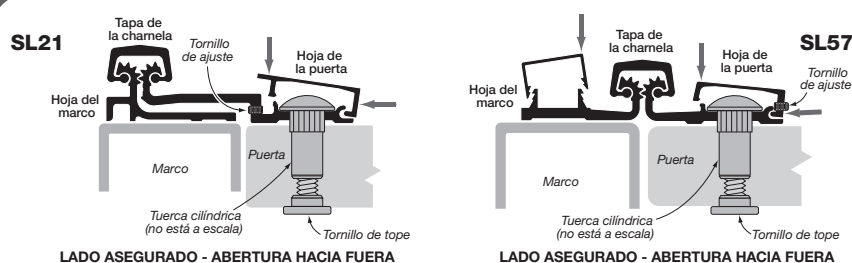


Fig. 3 Instalación de la cubierta de la hoja



NOTA: Para las aplicaciones con abertura hacia dentro, invierta la posición de la tuerca cilíndrica y del tornillo de tope para que del tornillo de tope esté en el lado asegurado de la puerta.

- Marco de metal: Use los tornillos de cabeza plana roscadores N° 12-24 TF provistos o use tornillos de cabeza plana roscadores autorroscantes N° 12-24 SDTF (provistos bajo pedido)
- Marco de madera: Use tornillos de cabeza plana para madera N° 12 (provistos bajo pedido)

B. Prepare la puerta

- Acuñe la puerta en la abertura para proporcionar las tolerancias requeridas para la charnela.

IMPORTANTE: El extremo superior de la charnela debe estar alineado con la parte superior de la puerta.

- Marque las ubicaciones para los cuatro tornillos roscadores autorroscantes (SDTF) de cabeza troncocónica en la puerta usando el punzón de 7/32".
- Con el destornillador Phillips N° 3, sujete provisoriamente la hoja de la puerta a la puerta a través de los cuatro orificios de ubicación con los tornillos roscadores autorroscantes (SDTF) de cabeza troncocónica provistos.
- Quite las cuñas y verifique las tolerancias, la alineación y el funcionamiento de la puerta.

NOTA: La puerta puede caerse ligeramente cuando se quitan las cuñas. Fijese cuánto debe ajustar la puerta para alinearla. **NO CONTINUE HASTA QUE LA PUERTA FUNCIONE COMO ES DEBIDO.**

- Marque las ubicaciones para las tuercas cilíndricas en la puerta usando el punzón de 3/8".

- Retire la puerta y colóquela en posición horizontal. Use una broca de 3/8" para taladrar los orificios en los lugares marcados.

NOTA: Cerciórese de taladrar la puerta en forma recta.

C. Fije la puerta a la charnela

- Asegure la puerta a la hoja de la puerta con las tuercas cilíndricas y los tornillos de tope de 1/4-20.

NOTA: Instale los tornillos de tope siempre en el lado asegurado de la puerta (Fig. 3).

- Marque (o punce) los lugares restantes de los orificios de la hoja del marco. Taladre los orificios en el marco a través de la hoja del marco y asegúrelos con los tornillos de cabeza plana.

- Asegure la puerta a la hoja de la puerta con las tuercas cilíndricas y los tornillos de tope de 1/4-20.

NOTA: Instale los tornillos de tope siempre en el lado asegurado de la puerta (Fig. 3).

D. Instale las cubiertas de la hoja

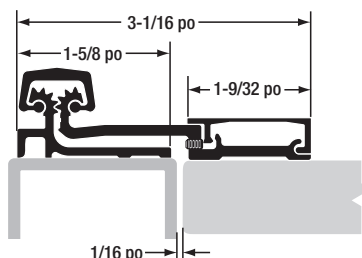
- Alinee la cubierta de la hoja con el extremo superior de la charnela.

- Comenzando desde la parte superior y trabajando hacia abajo, aplique presión a la cubierta de la hoja para encajarla en su lugar (Fig. 3).

NOTA: Si usa un martillo para colocar la cubierta en su lugar, dé pequeños golpes asegurándose de proteger de daños la superficie de la cubierta.

- Apriete los tornillos de ajuste con una llave Allen de 5/64".

Charnières engrenées “pleine longueur”, pour montage en applique

SL21


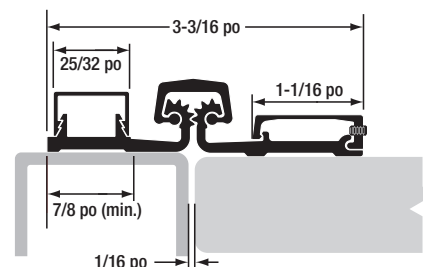
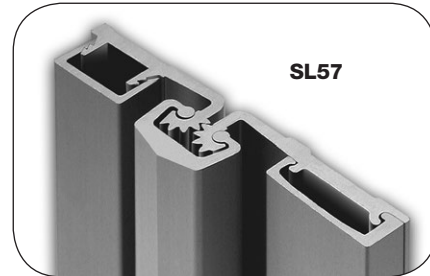
Le modèle SL21 impose le repositionnement du mécanisme de fermeture de porte existant, pour l'adaptation au nouvel axe de pivotement de la charnière; sinon l'angle d'ouverture de la porte ne pourrait pas dépasser 70 degrés. Fixer le profilé de garniture sur la charnière avant de réinstaller le mécanisme de fermeture de porte.

Le modèle SL57 nécessite pour le montage la disponibilité d'un espace libre de 7/8 po ou plus sur la surface du chambranle; pour un cadre de porte offrant plus d'espace, tracer une ligne à 1 po - 1-5/16 po du centre de l'espace de séparation entre le cadre de porte et la porte fermée; aligner la rive de la charnière (côté cadre) avec cette ligne de repérage.

Garantie – Information importante :

Chacune des situations suivantes invalide toute garantie, expresse ou implicite :

- Installation de la charnière non conforme aux spécifications et exigences du fabricant. (Pour d'autre information, consulter le site selecthingerequirements.com.)
- Utilisation d'organes de fixation autres que ceux qui sont fournis avec la charnière.
- Modification non autorisée effectuée sur le chantier, ceci incluant altération ou élimination du lubrifiant appliqué à l'usine, et altération de la peinture ou autre finition appliquée sur la charnière.

SL57


Calcul des espaces de séparation nécessaires pour la porte

Porte avec chant à l'équerre ou biseauté

IMPORTANT : Chaque charnière SELECT de longueur standard est fournie légèrement plus courte que la hauteur de porte nominale; un espace libre adéquat est alors disponible pour la pose d'un seuil de porte ou d'un plancher.

IMPORTANT : La configuration des charnières SL21 et SL57 (avant et après le découpage) en permet l'emploi sur le côté droit ou le côté gauche de la porte, et elles sont fournies sans gabarit. Si un réglage de la position est nécessaire, installer une cale pleine longueur sous l'élément ouvrant.

IMPORTANT : Au sujet des espaces libres à ménager pour une entrée avec homologation de résistance au feu, consulter le manuel NFPA 80.

PORTE MONO-BATTANT :

Espace libre, côté charnière	0 po
Espace libre, côté loquet	1/8 po
Tolérance sur la largeur du cadre de porte	1/16 po
Espace libre total en largeur	3/16 po

Détermination de la largeur de la porte :

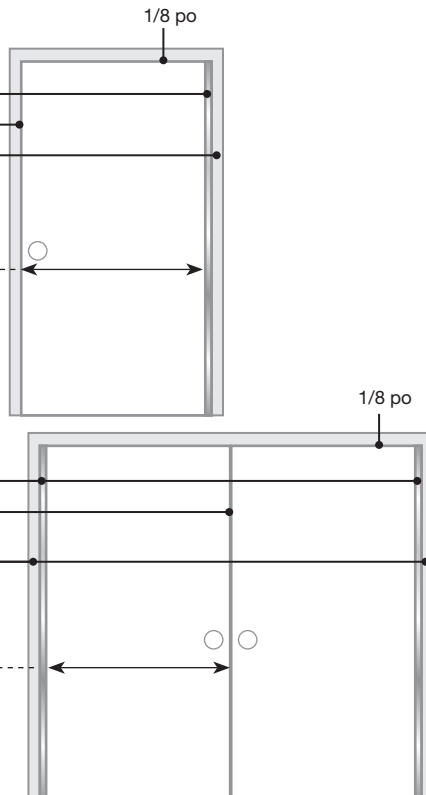
Soustraire la valeur "Espace libre total en largeur" de la largeur de l'ouverture du cadre de porte.

PORTES À DEUX OUVRANTS :

Espace libre, côté charnière (2x)	0 po
Espace libre, côté loquet	3/16 po
Tolérance sur la largeur du cadre de porte	1/8 po (1/16 po x 2)
Espace libre total en largeur	5/16 po

Détermination de la largeur de la porte :

Soustraire la valeur "Espace libre total en largeur" de la largeur de l'ouverture du cadre de porte, et diviser le résultat par 2.



Renforcement et écrou Rivnuts®

Aucun renforcement de la charnière n'est nécessaire, sauf dans le cas d'une très grande fréquence de manœuvre de la porte, ou si la porte est très lourde ou très large. On recommande l'emploi d'écrous Rivnuts dans le cadre de porte lorsque le poids de la porte dépasse 450 lb (max. 600 lb).

NOTE : Pour les charnières SELECT avec homologation de résistance au feu, utiliser uniquement des écrous Rivnuts SELECT en acier.

Cadre calé par un mortier de jointoiment

Pour la facilité d'installation, on recommande d'installer un élément pare-mortier derrière le cadre. Ne pas utiliser des vis perçantes/ taraudantes (SDTF) pour percer dans un cadre de porte immobilisé par un mortier de jointoiment.

Si aucun élément pare-mortier n'a été utilisé, percer prudemment des avant-trous dans le cadre et enlever le mortier pour que l'espace libre nécessaire soit disponible pour les vis. Ne pas percer de trop gros trous dans le cadre de porte.

Résistance au feu des charnières



Les modèles standard des charnières SELECT sans broche offrent une résistance au feu de 90 minutes (homologation UL). Consulter SELECT pour l'information complète au sujet des charnières résistantes au feu.

Pour une porte à deux battants avec meneau central, calculer la largeur de chaque battant selon la formule présentée pour une porte à un seul battant.

Pour une porte à deux battants avec meneau derrière les battants, calculer la largeur de chaque battant selon la formule présentée pour une porte à deux battants.

Outillage nécessaire

- Scie à métaux
- Foret #13 ou de 3/16 po & foret de 3/8 po
- Foret de 5/32 po (seulement pour cadre de porte en bois)
- Tournevis Phillips #3
- Clé Allen 5/64 po
- Marteau
- Cales

Pièces fournies

- Vis Phillips perçantes/taraudantes (SDTF) à tête fraisée plate, #12-24, acier inox. 410
- Vis Phillips perçantes/taraudantes (SDTF) #12-24, acier inox. 410, à tête fraisée bombée
- Écrous cylindriques 1/4-20 (sexnuts)
- Vis à collet 1/4-20
- Pointeau 7/32 po
- Pointeau 3/8 po
- Vis de calage

Pièces facultatives

- Vis à bois Phillips, à tête fraisée plate, #12, acier inox. 410
- Vis Phillips taraudantes (TF) #12-24, acier inox. 410, à tête fraisée plate
- Écrous cylindriques longs pour porte d'épaisseur 2 po à 2-1/4 po
- L'utilisation de gants de protection est recommandée

Découpage et ajustement de la charnière

- Maintenir la charnière à la position correspondant à la porte fermée (Fig. 1).
- Utiliser une scie à métaux – commencer la coupe à travers le couvre-charnière.

NOTE : NE PAS couper au niveau de l'appui d'une vis de calage.

- Desserrer la vis de calage (si nécessaire) sur le côté du profilé de garniture de l'élément ouvrant – utiliser une clé Allen de 5/64 po (Fig. 1).
- Ôter le profilé de garniture de l'élément ouvrant – faire glisser le profilé vers l'extrémité non coupée de la charnière.
- Réinstaller tout appui de vis de calage qui pourrait avoir été coupé.

A. Fixation de la charnière sur le cadre de porte

NOTE : Ôter le(s) profilé(s) de garniture si cela n'a pas déjà été fait; voir l'étape C ci-dessus pour le profilé de garniture de l'élément ouvrant.

- Placer une cale pour positionner la charnière à 1/8 po au-dessous de la traverse du cadre de porte, pour établir l'espace libre de séparation au sommet de la porte.
- Maintenir la charnière à la position correspondant à la porte ouverte (Fig. 2) et aligner l'élément dormant de la charnière avec la rive interne du cadre de porte ou avec la ligne de repérage tracée précédemment.
- Marquer (crayon ou pointeau) la position de deux trous au sommet et de deux trous en bas de l'élément dormant de la charnière.

NOTE : Si on doit utiliser des vis à bois ou des vis taraudantes, il faudra percer des avant-trous aux emplacements marqués; aucun avant-trou n'est nécessaire pour les vis perçantes/taraudantes (SDTF).

- Si on doit utiliser des vis perçantes/taraudantes (SDTF), passer à l'étape 5. Si on doit utiliser des vis à bois ou des vis taraudantes, percer les avant-trous aux emplacements marqués.

- Cadre métallique : Utiliser un foret #13 (0,185 po) ou de 3/16 po (0,188 po)
- Cadre en bois : Utiliser un foret de 5/32 po (0,156 po)

- Fixer l'élément dormant de la charnière sur le cadre de porte – placer deux vis au sommet et deux vis en bas.

- Cadre métallique : Utiliser les vis

Fig. 1 Charnière installée - Porte à la position de fermeture

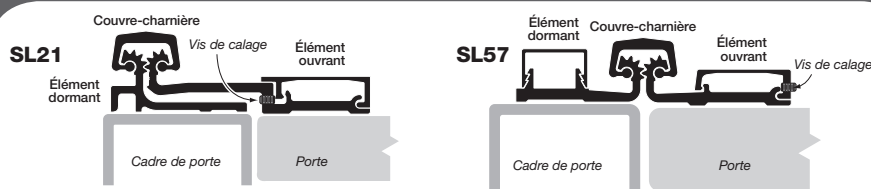


Fig. 2 Porte à la position d'ouverture - Profils de garniture déposés

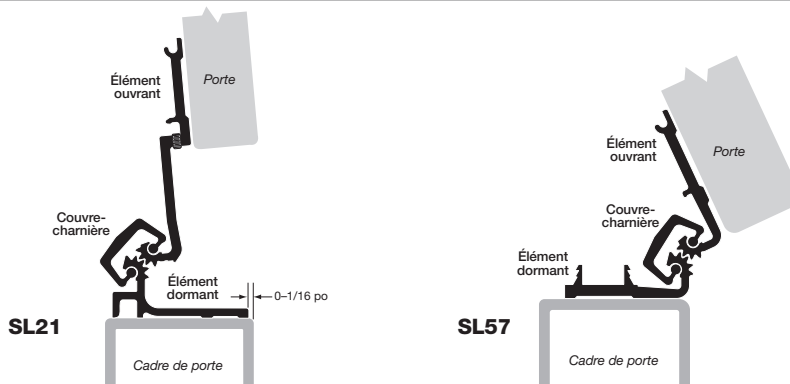
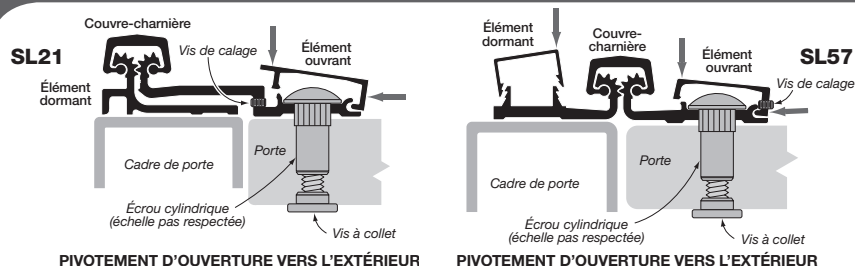


Fig. 3 Installation des profils de garniture



NOTE : Lorsque le pivotement d'ouverture est effectué vers l'intérieur du local sécurisé, inverser la position des écrous cylindriques et des vis à collet – la tête des vis à collet doit toujours être placée sur la face de la porte accessible dans le local sécurisé.

taraudantes fournies #12-24 (TF; tête plate), ou des vis perçantes/taraudantes (SDTF; tête plate) #12-24 (fourniture sur demande)

- Cadre en bois : Utiliser des vis à bois #12 à tête plate (fourniture sur demande)

B. Préparation de la porte

- Utiliser des cales pour positionner la porte dans l'embrasure, pour établir les espaces libres de séparation nécessaires pour la charnière.

IMPORTANT : L'extrémité supérieure de la charnière doit être en affleurement avec le sommet de la porte.

- Marquer sur la porte la position des quatre vis perçantes/taraudantes (SDTF) à tête fraisée bombée – utiliser un pointeau de 7/32 po.
- Utiliser un tournevis Phillips #3 – fixer temporairement l'élément ouvrant sur la porte (placer dans les avant-trous quatre vis perçantes/taraudantes (SDTF) à tête bombée (fournies)).
- Ôter les cales de positionnement et vérifier que les espaces de séparation établis sont adéquats; vérifier également le bon alignement et le pivotement correct de la porte.

NOTE : La porte peut s'affaisser légèrement lors du retrait des cales; noter l'amplitude de l'ajustement qu'il faudra effectuer pour rétablir l'alignement correct de la porte. **NE PAS POURSUIVRE AVANT D'AVOIR ÉTABLI LE PIVOTEMENT SATISFAISANT DE LA PORTE.**

- Marquer sur la porte la position des écrous cylindriques – utiliser un pointeau de 3/8 po.
- Déposer la porte; placer la porte à plat; utiliser un foret de 3/8 po pour percer les trous aux emplacements marqués.

NOTE : Veiller à percer les trous parfaitement

perpendiculairement à la surface de la porte.

C. Fixation de la porte sur la charnière

- Fixer la porte sur l'élément ouvrant de la charnière – utiliser les ensembles écrou cylindrique/vis à collet (1/4-20).

NOTE : Placer toujours la tête des vis à collet sur la face de la porte accessible dans le local sécurisé (Fig. 3).

- Marquer (crayon ou pointeau) la position des trous restants sur l'élément dormant de la charnière. Percer les trous dans le cadre de porte à travers l'élément dormant de la charnière, et placer des vis à tête plate.

- Fixer la porte sur l'élément ouvrant de la charnière – utiliser les ensembles écrou cylindrique/vis à collet (1/4-20).

NOTE : Placer toujours la tête des vis à collet sur la face de la porte accessible dans le local sécurisé (Fig. 3).

D. Installation des profils de garniture

- Aligner le profilé de garniture avec la rive supérieure de la charnière.
- Commencer au sommet et progresser vers le bas – appliquer une pression sur le profilé de garniture pour provoquer l'emboîtement en place (Fig. 3).

NOTE : Si on utilise un marteau pour provoquer l'emboîtement du profilé de garniture, veiller à protéger la surface du profilé de garniture pour ne pas l'endommager.

- Serrer les vis de calage – utiliser une clé Allen de 5/64 po.

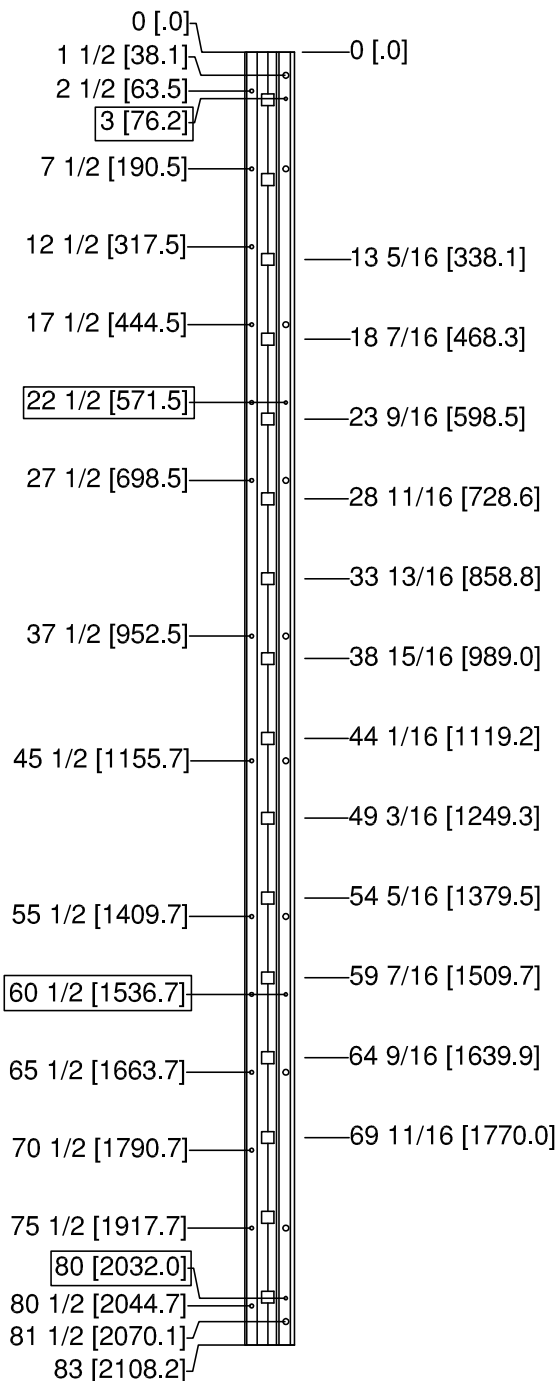
- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes and bearings.
- Dimensions shown inside boxes are locator screw mounting holes.
- Choose location(s) for CTW prep(s) on SL57s from bearing slot(s) dimensioned. CTW4/5 = 1 location; CTW8/10 = 2 locations; CTW12 = 3 locations.

For 83" SD Models SL21, SL57

24 fasteners / SD:16 bearings / HD:32 bearings

HOLE LOCATIONS

BEARING LOCATIONS

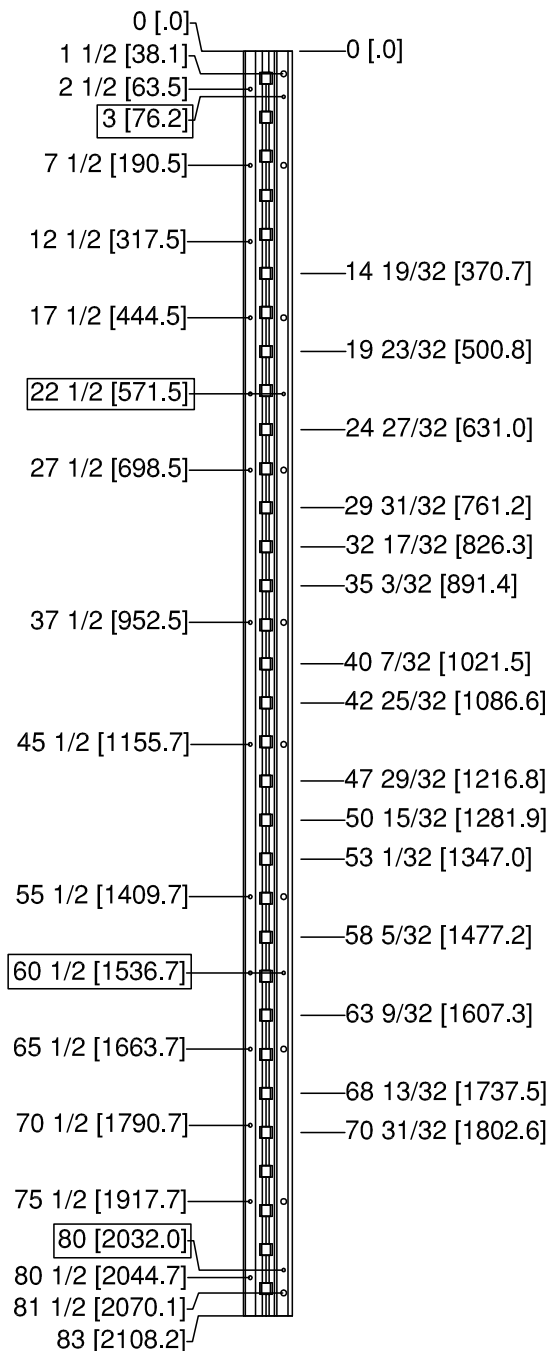


For 83" HD Models SL21, SL57

24 fasteners / SD:16 bearings / HD:32 bearings

HOLE LOCATIONS

BEARING LOCATIONS



TEMPLATES

Full Surface Geared Hinges



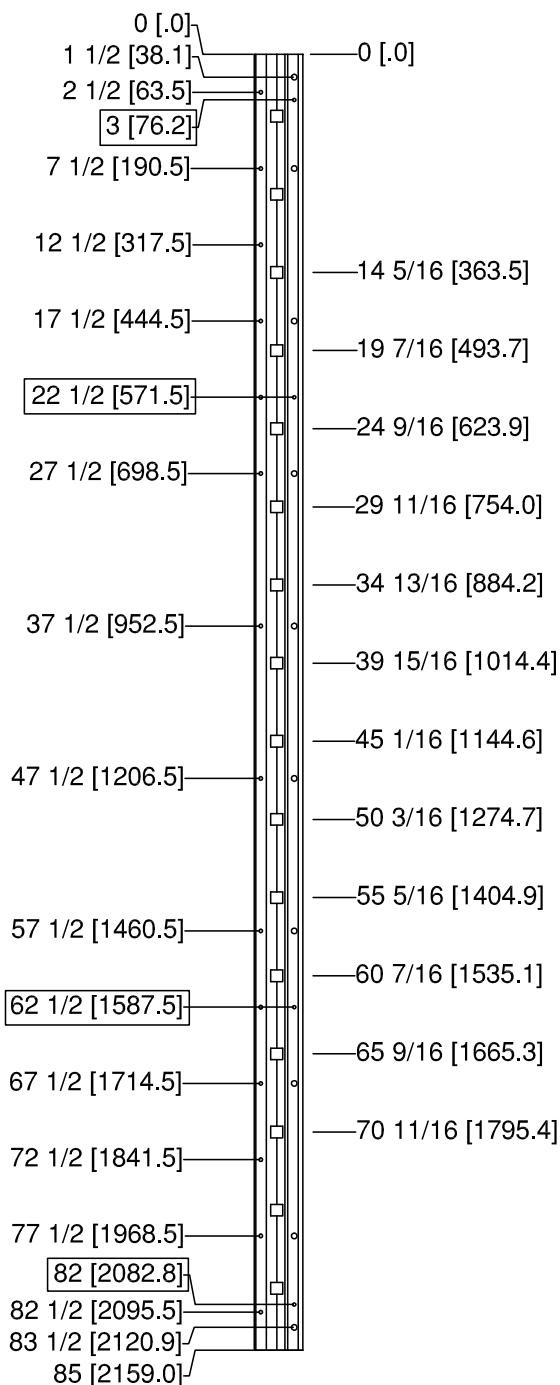
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For 85" SD Models SL21, SL57

24 fasteners / SD:16 bearings / HD:32 bearings

HOLE LOCATIONS

BEARING LOCATIONS

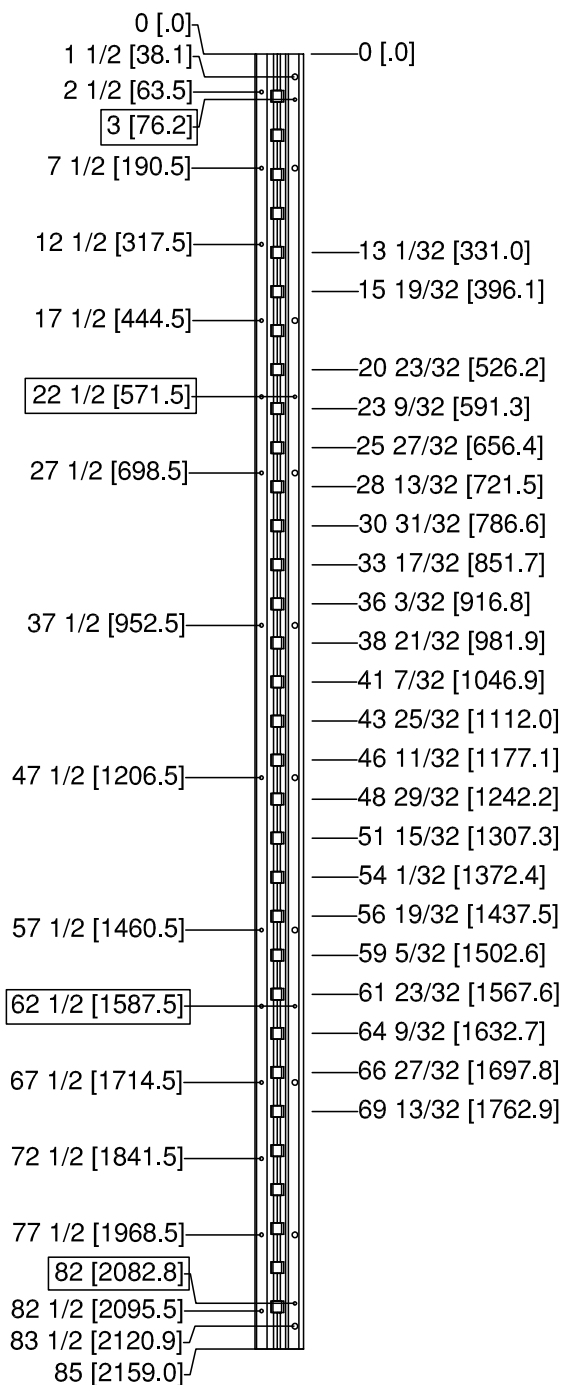


For 85" HD Models SL21, SL57

24 fasteners / SD:16 bearings / HD:32 bearings

HOLE LOCATIONS

BEARING LOCATIONS



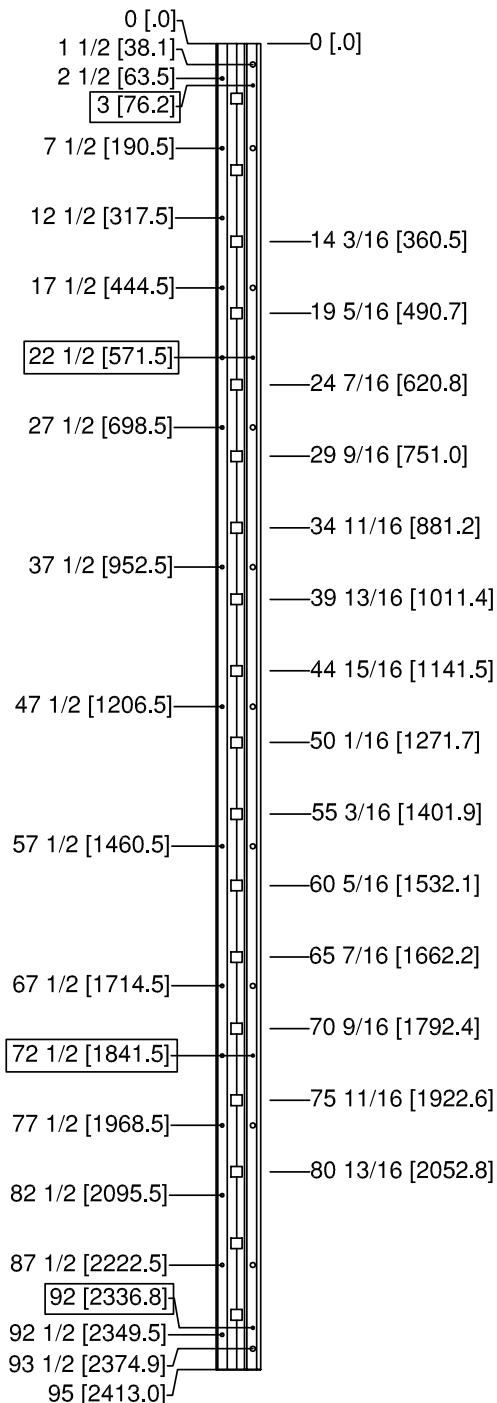
- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes and bearings.
- Dimensions shown inside boxes are locator screw mounting holes.
- Choose location(s) for CTW prep(s) on SL57s from bearing slot(s) dimensioned. CTW4/5 = 1 location; CTW8/10 = 2 locations; CTW12 = 3 locations.

For 95" SD Models SL21, SL57

26 fasteners / SD:18 bearings / HD:36 bearings

HOLE LOCATIONS

BEARING LOCATIONS

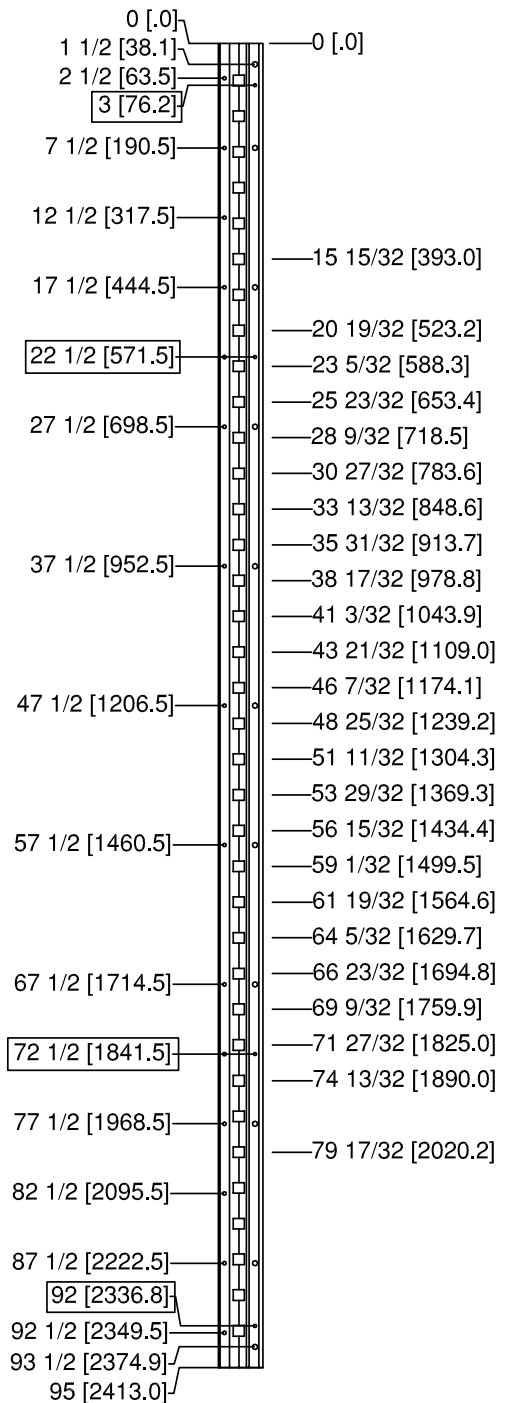


For 95" HD Models SL21, SL57

32 fasteners / SD:23 bearings / HD:47 bearings

HOLE LOCATIONS

BEARING LOCATIONS



TEMPLATES

Full Surface Geared Hinges



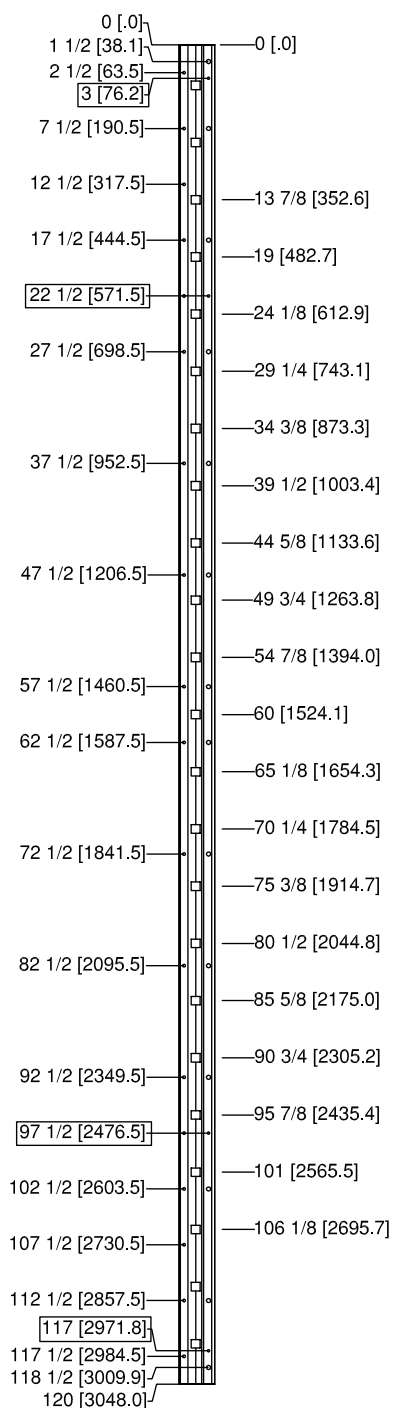
- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes and bearings.
- Dimensions shown inside boxes are locator screw mounting holes.
- Choose location(s) for CTW prep(s) on SL57s from bearing slot(s) dimensioned. CTW4/5 = 1 location; CTW8/10 = 2 locations; CTW12 = 3 locations.

For 120" SD Models SL21, SL57

26 fasteners / SD:18 bearings / HD:36 bearings

HOLE LOCATIONS

BEARING LOCATIONS

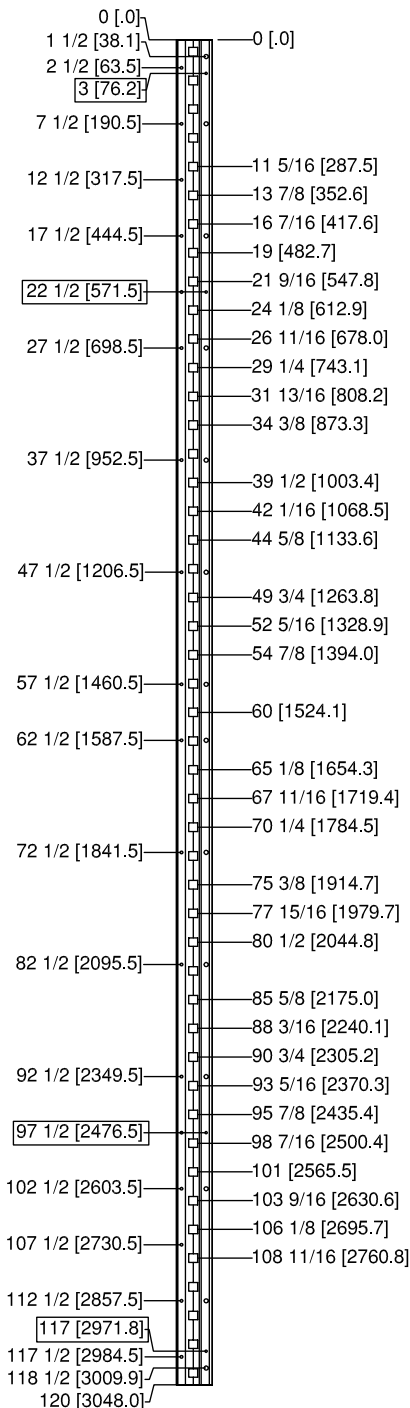


For 120" HD Models SL21, SL57

32 fasteners / SD:23 bearings / HD:47 bearings

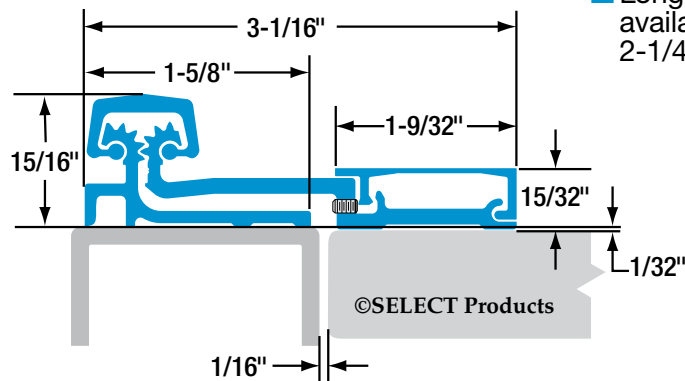
HOLE LOCATIONS

BEARING LOCATIONS





- Swing-clear action
- Tamper-resistant, removable door leaf cover
- 1/32" door inset
- Standard barrel nuts accommodate 1-3/8" to 1-3/4" doors
- Long barrel nuts available for 2" to 2-1/4" doors



SL21

Full Surface Geared Continuous Hinge



Tested to last six decades



Reduce maintenance costs and hassles. Independent lab tests on an FRP door

prove SELECT hinges withstand 25 million cycles — more than 60 years of high-traffic use. Pair-Matched™ hinge leaves, lifetime lubrication and anodizing after machining deliver the longest life of any continuous hinge.

Covered by the only Continuous Warranty



Because SELECT geared continuous hinges have proven themselves in independent testing, we offer the industry's only

Continuous Warranty. It covers any failure of our aluminum geared continuous hinges — with no expiration date — as long as they are properly installed. Durability and worry-free performance ... guaranteed in writing. *The warranty that never ends for the hinge that never quits.*SM

Certified by the U.S. Department of State



After brutal testing, the State Department granted a SELECT geared continuous hinge its 60-minute certification — the department's highest level. The hinge deflected bullets in the Ballistic Resistance Test and withstood sledgehammers,

wedges and other tools in the Forced Entry Test. Approved for use in U.S. embassies overseas.

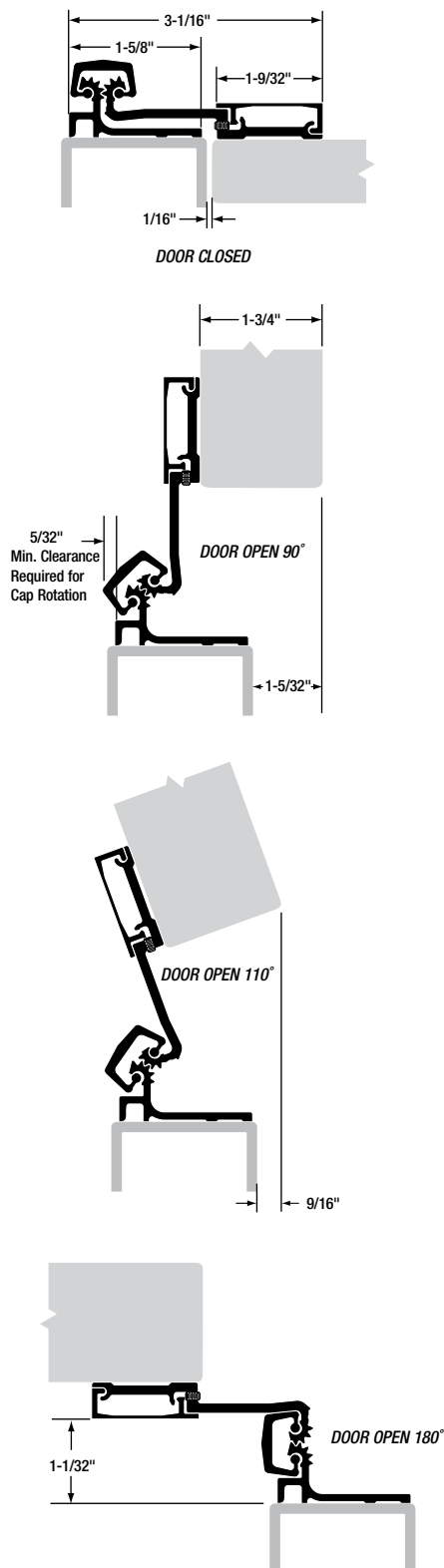
Geared to ship in 48 hours

Geared to ship in



SELECT ships hinges faster than anyone in the industry. 99.9% of our hinge orders ship in 48 hours; more than half are shipped in only 24 hours. Projects won't be delayed while waiting weeks for hinges.

NOTES:



MATERIAL: Extruded 6063 T6 aluminum alloy with self-lubricating polyester thrust bearings.

LENGTHS: 83", 85", 95" and 120" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY RATINGS: For 1-3/8" – 1-3/4" doors standard; long barrel nuts available for 2" – 2-1/4" doors. 48" max. door width in 16 gauge hollow metal (min.) or 1/8" aluminum (min.).

Standard Duty – Tested per BHMA standards for medium-frequency doors up to 200 lb. without frame or door reinforcement.

Heavy Duty – Tested per BHMA standards. Up to 200 lb. doors (high-frequency) and up to 400 lb. doors (medium-frequency) without frame or door reinforcement; up to 600 lb. doors (low-frequency) with the use of Rivnuts in the frame.

FINISHES: All SL21 hinges are stocked in 204R1 Clear (.4-.7 mil) AA-M12C22A31 and 215R1 Dark Bronze (.7 mil and thicker) AA-M12C22A44 anodized aluminum. Custom anodized or painted finishes are available. Product painted or anodized in the field voids the SELECT hinge warranty.

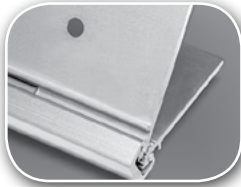
CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify length, finish and standard duty (SD) or heavy duty (HD). Also, specify door and frame screw applications. 12-24 x 3/4" self-drilling, thread-forming 410SS Phillips undercut flathead screws, 1/4-20 through-bolts and 1/4-20 shoulder screws (for doors up to 1-3/4" thick) are provided as a standard pack unless otherwise specified. Wood and thread-forming screws also available. Security screws optional at extra cost.

BHMA CERTIFICATION: SL21SD and SL21HD geared continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.

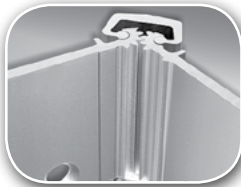
SL21 HINGE SCREW COUNT		
HINGE LENGTH & DUTY RATING	DOOR SCREWS	FRAME SCREWS
83" SD/HD	10	14
85" SD/HD	10	14
95" SD/HD	11	15
120" SD/HD	14	18

SELECT Advantages



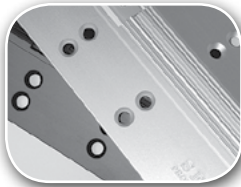
PAIR-MATCHED™ HINGE LEAVES

Manufactured together, machined together and anodized together, making SELECT hinges fit your doors better and last longer. *An exclusive SELECT benefit.*



LIFETIME LUBRICATION

Eliminates the need for periodic maintenance. Quiet performance. Fights gear cap wear. *An exclusive SELECT benefit.*



ANODIZED AFTER MACHINING

Delivers superior wear, durability and life. Inhibits corrosion. Few hinge makers follow SELECT's lead in using this superior manufacturing process.



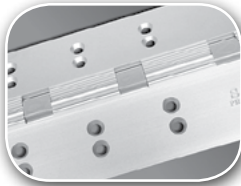
MEETS LEED REQUIREMENTS

Made from recycled aluminum. Reduces environmental impact and qualifies for LEED points. *An exclusive SELECT benefit.*



PATENTED 3-HR. FIRE RATING

Most SELECT hinges are fire rated for **90 minutes. 3-Hr. fire rating**, optional at extra cost, approved for positive/negative pressure. No fire pins or studs required. Patented design innovation. *An exclusive SELECT benefit.*



CONSISTENT TEMPLATING

Hole pattern is identical on both Standard and Heavy Duty models, so SELECT hinges line up precisely for easier and faster installation. *An exclusive SELECT benefit.*



COATED FASTENERS

Provide additional corrosion protection with either self-drilling, thread-forming (SDTF) or thread-forming (TF) screws. *An exclusive SELECT benefit.*



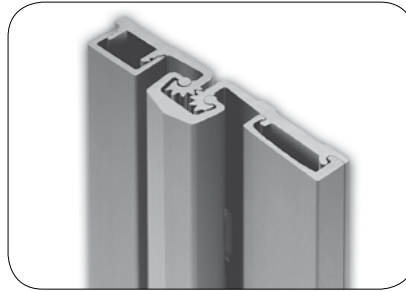
CUSTOM COLORS

Match any paint color on the gear cap or the entire hinge and fasteners, including our always-in-stock Bone White gear caps. Anodized colors also available.

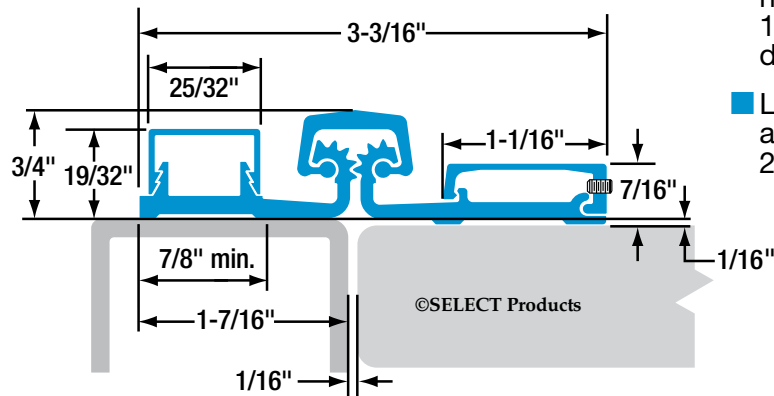
SELECT Hinge Performance

- A SELECT geared continuous hinge has been tested in accordance with ANSI 250.4-1994 test procedure and acceptance criteria for physical endurance for steel doors and hardware and has surpassed 25,000,000 cycles during testing by an independent laboratory. On a door cycling 400,000 times per year, a SELECT hinge will be performing for over 62 years.
- SELECT geared continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- The revolutionary SELECT geared continuous hinge puts an end to costly and irritating hinge failure problems, the most common cause of entrance failure.
- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
- SELECT geared continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier. When the door is closed, there are no accessible screws, bolts or pins.
- SELECT SL21 geared continuous hinges are listed and tested by Underwriters Laboratories to meet the Positive and Negative pressure requirements of UL10B and UL10C, and are in accordance with UBC 7.2 (1997). SELECT SL21 geared continuous hinges are for use on swinging single fire doors (max. door opening of 4'x10') or pairs of fire doors (max. door opening of 8'x10'), including double egress, installed in masonry or drywall. SELECT SL21 geared continuous hinges are rated for up to 1-1/2 hours for wood composite and wood core type fire doors. A special patented process can be added to increase the fire rating to 3 hours (NO FIRE PINS OR STUDS REQUIRED) for hollow metal or steel covered composite type doors.





- Center pivot
- Frame leaf fits narrow (7/8") frame face
- Tamper-resistant, removable door leaf cover
- 1/16" door inset
- Standard barrel nuts accommodate 1-3/8" to 1-3/4" doors
- Long barrel nuts available for 2" to 2-1/4" doors



25 000 002

Reduce maintenance costs and hassles. Independent lab tests on an FRP door

Tested to last 60+ years
**CONTINUOUS
WARRANTY**

Because SELECT geared continuous hinges have proven themselves in independent testing, we offer the industry's only

After brutal testing, the State Department granted a SELECT geared continuous hinge its 60-minute certification — the department's highest level. The hinge deflected bullets in the Ballistic Resistance Test and withstood sledgehammers.

Geared to ship in
48 HOURS™

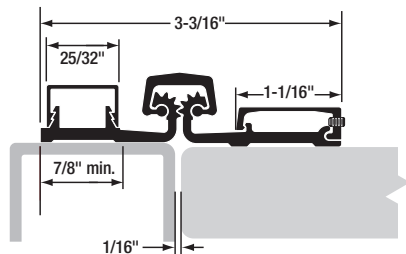
SELECT ships hinges faster than anyone in the industry. 99.9% of our hinge orders ship in 48 hours; more than half are shipped in only 24 hours. Projects won't be delayed while waiting weeks for hinges.



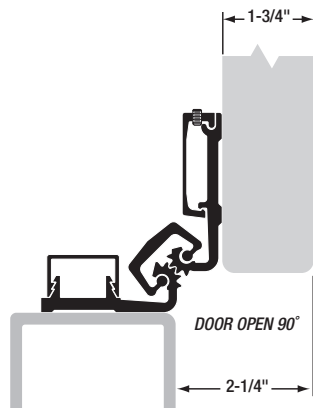
**SELECT
HINGES™**

SPECIFICATIONS

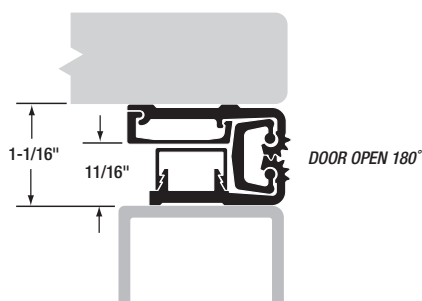
SL57 Full Surface Geared Continuous Hinge



DOOR CLOSED



DOOR OPEN 90°



DOOR OPEN 180°

MATERIAL: Extruded 6063 T6 aluminum alloy with self-lubricating polyester thrust bearings.

LENGTHS: 83", 85", 95" and 120" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY RATINGS: For 1-3/8" – 1-3/4" doors standard; long barrel nuts available for 2" – 2-1/4" doors. 48" max. door width in 16 gauge hollow metal (min.) or 1/8" aluminum (min.).

Standard Duty – Tested per BHMA standards for medium-frequency doors up to 200 lb. without frame or door reinforcement.

Heavy Duty – Tested per BHMA standards. Up to 200 lb. doors (high-frequency) and up to 400 lb. doors (medium-frequency) without frame or door reinforcement; up to 600 lb. doors (low-frequency) with the use of Rivnuts in the frame.

FINISHES: All SL57 hinges are stocked in 204R1 Clear (.4-.7 mil) AA-M12C22A31 and 215R1 Dark Bronze (.7 mil and thicker) AA-M12C22A44 anodized aluminum. Custom anodized or painted finishes are available. Product painted or anodized in the field voids the SELECT hinge warranty.

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify length, finish and standard duty (SD) or heavy duty (HD). Also, specify door and frame screw applications. 12-24 x 3/4" self-drilling, thread-forming 410SS Phillips undercut flathead screws, 1/4-20 through-bolts and 1/4-20 shoulder screws (for doors up to 1-3/4" thick) are provided as a standard pack unless otherwise specified. Wood and thread-forming screws also available. Security screws optional at extra cost.

AVAILABLE ELECTRIC PREPS: CTW4 and CTW5.

BHMA CERTIFICATION: SL57SD and SL57HD geared continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.



SL57 HINGE SCREW COUNT		
HINGE LENGTH & DUTY RATING	DOOR SCREWS	FRAME SCREWS
83" SD/HD	10	14
85" SD/HD	10	14
95" SD/HD	11	15
120" SD/HD	14	18

SPECIFICATIONS

SL57 Full Surface Geared Continuous Hinge



SELECT Advantages



PAIR-MATCHED™ HINGE LEAVES

Manufactured together, machined together and anodized together, making SELECT hinges fit your doors better and last longer. *An exclusive SELECT benefit.*



LIFETIME LUBRICATION

Eliminates the need for periodic maintenance. Quiet performance. Fights gear cap wear. *An exclusive SELECT benefit.*



ANODIZED AFTER MACHINING

Delivers superior wear, durability and life. Inhibits corrosion. Few hinge makers follow SELECT's lead in using this superior manufacturing process.



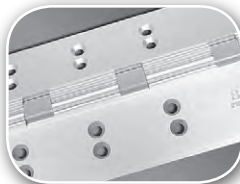
MEETS LEED REQUIREMENTS

Made from recycled aluminum. Reduces environmental impact and qualifies for LEED points. *An exclusive SELECT benefit.*



PATENTED 3-HR. FIRE RATING

Most SELECT hinges are fire rated for **90 minutes. 3-Hr. fire rating**, optional at extra cost, approved for positive/negative pressure. No fire pins or studs required. Patented design innovation. *An exclusive SELECT benefit.*



CONSISTENT TEMPLATING

Hole pattern is identical on both Standard and Heavy Duty models, so SELECT hinges line up precisely for easier and faster installation. *An exclusive SELECT benefit.*



COATED FASTENERS

Provide additional corrosion protection with either self-drilling, thread-forming (SDTF) or thread-forming (TF) screws. *An exclusive SELECT benefit.*



CUSTOM COLORS

Match any paint color on the gear cap or the entire hinge and fasteners, including our always-in-stock Bone White gear caps. Anodized colors also available.

SELECT Hinge Performance

- A SELECT geared continuous hinge has been tested in accordance with ANSI 250.4-1994 test procedure and acceptance criteria for physical endurance for steel doors and hardware and has surpassed 25,000,000 cycles during testing by an independent laboratory. On a door cycling 400,000 times per year, a SELECT hinge will be performing for over 62 years.
- SELECT geared continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- The revolutionary SELECT geared continuous hinge puts an end to costly and irritating hinge failure problems, the most common cause of entrance failure.
- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
- SELECT geared continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier. When the door is closed, there are no accessible screws, bolts or pins.
- SELECT SL57 geared continuous hinges are listed and tested by Underwriters Laboratories to meet the Positive and Negative pressure requirements of UL10B and UL10C, and are in accordance with UBC 7.2 (1997). SELECT SL57 geared continuous hinges are for use on swinging single fire doors (max. door opening of 4'x10') or pairs of fire doors (max. door opening of 8'x10'), including double egress, installed in masonry or drywall. SELECT SL57 geared continuous hinges are rated for up to 1-1/2 hours for wood composite and wood core type fire doors. A special patented process can be added to increase the fire rating to 3 hours (NO FIRE PINS OR STUDS REQUIRED) for hollow metal or steel covered composite type doors.



PIN & BARREL CONTINUOUS HINGES

SL200

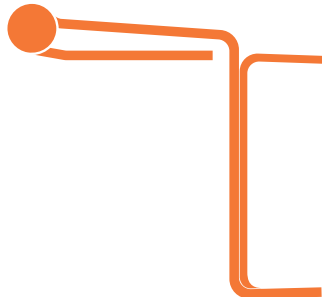
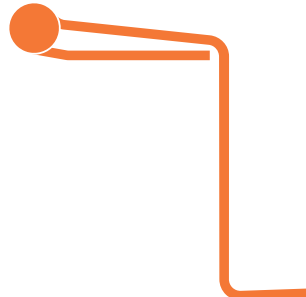
SL300

SL305

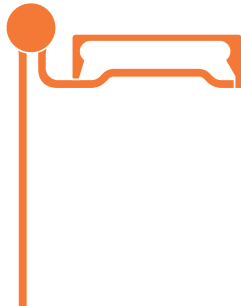
SL315

SL3500

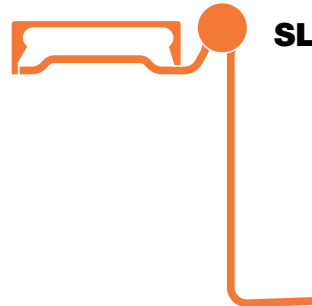

Concealed

SL310

SL311


Swing Clear

SL303


Half Surface

SL306


Half Mortise

SL302

SL309

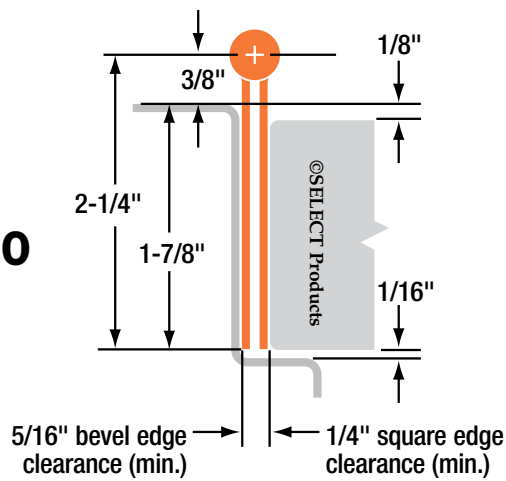
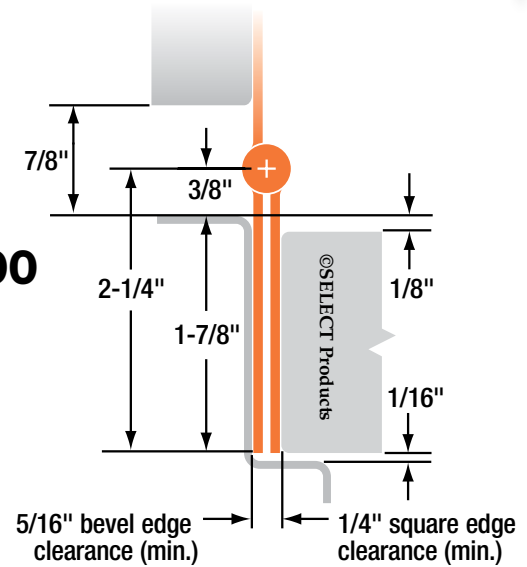
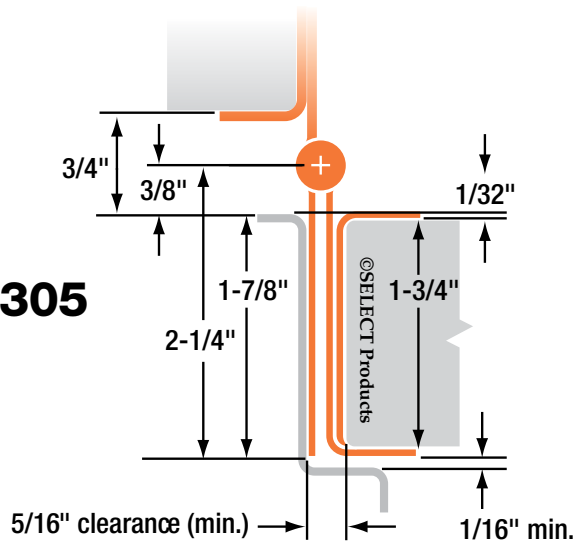
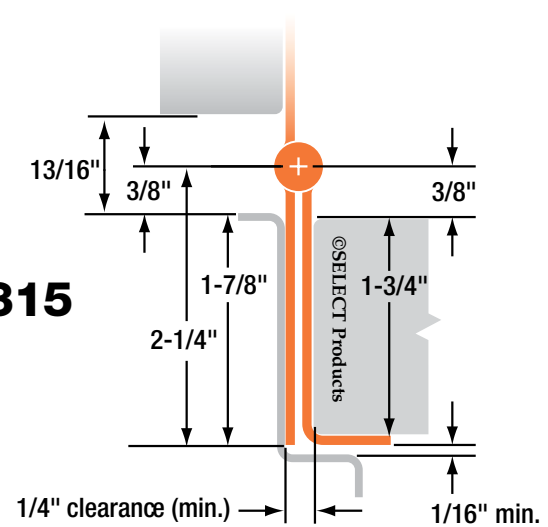
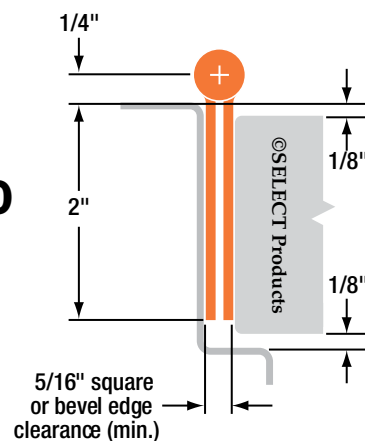

Full Surface

Concealed Pin & Barrel Continuous Hinges

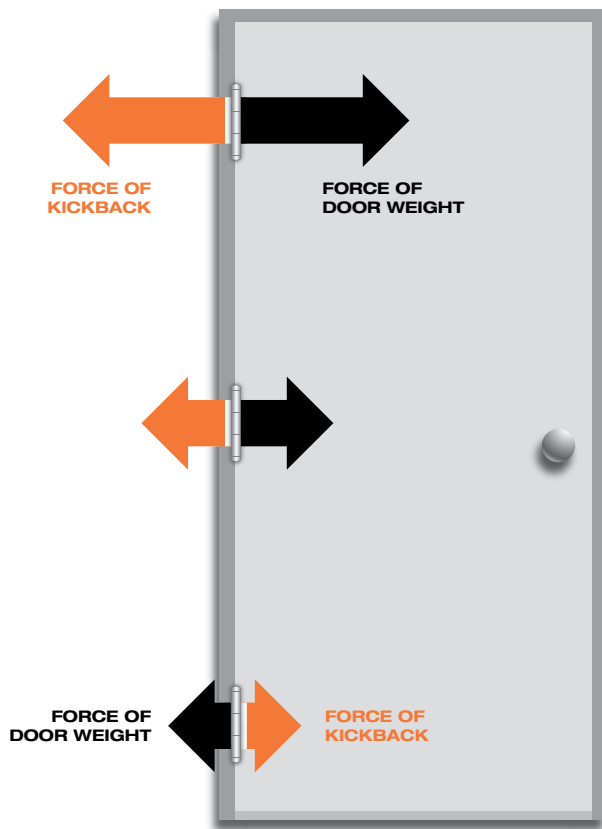


COMPARISON OF CONTINUOUS HINGE PRODUCT LINES

PART NUMBER INTERCHANGE - PIN & BARREL HINGES							
SELECT	MARKAR	HAGER	PEMKO	MCKINNEY	STANLEY	ABH	IVES
SL300	FM-300	790-900	SPBFM	MCK FM300	651	A500	700
SL302	FS-302		SPBFS	MCK FS302	657	A502	702
SL303	HS-303	790-903	SPBHS	MCK HS303		A503	
SL305	HG-305	790-905	SPBFMDEG	MCK HG305	652	A505	705
SL306	HG-306	790-906		MCK HG306	655	A506	
SL308	EG-308		SDEG		EG2/2B	A528F	
SL309	FS/SC-309	790-909	SPBFSSC	MCK FS309			
SL310	HG-310			MCK HG310			
SL311	HG-311			MCK HG311	656	A511	711
SL315	HG-315		SPBFMEG				
SL3500	FM-3500		SPBFMHD				
SL200	FM-200			FM3700	641		600

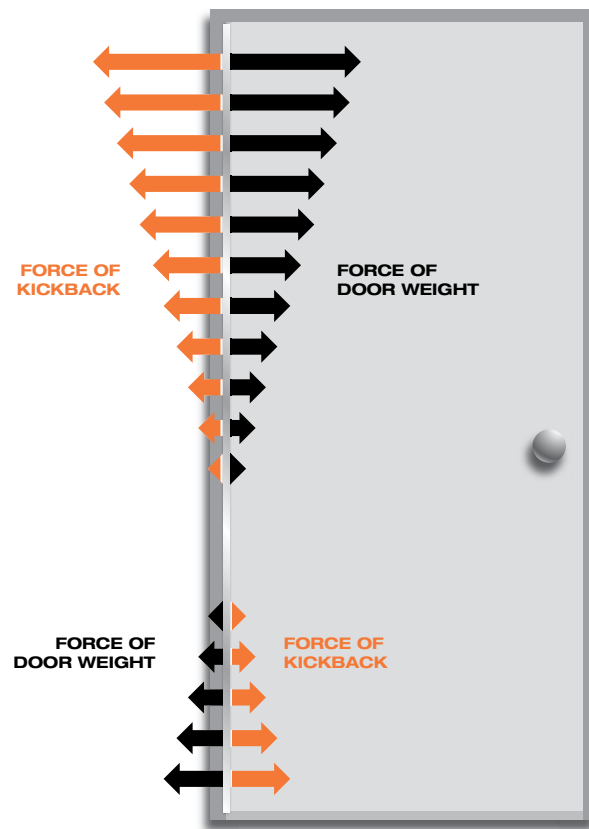
SL200

SL300

SL305

SL315

SL3500


Concealed Pin & Barrel Continuous Hinges



Conventional butt hinges

On conventional hinges, opening and "kickback" energy from closers and automatic operators concentrates on the top butt hinge. This force works against the top hinge, eventually forcing it apart or pulling it from the frame/door.



Continuous hinges

SELECT continuous hinges unite the door and frame into an integrated, sag-free unit. "Kickback" energy dissipates along the entire length of the door and frame and prevents hinge failure.



**SELECT
HINGES™**

TEMPLATES

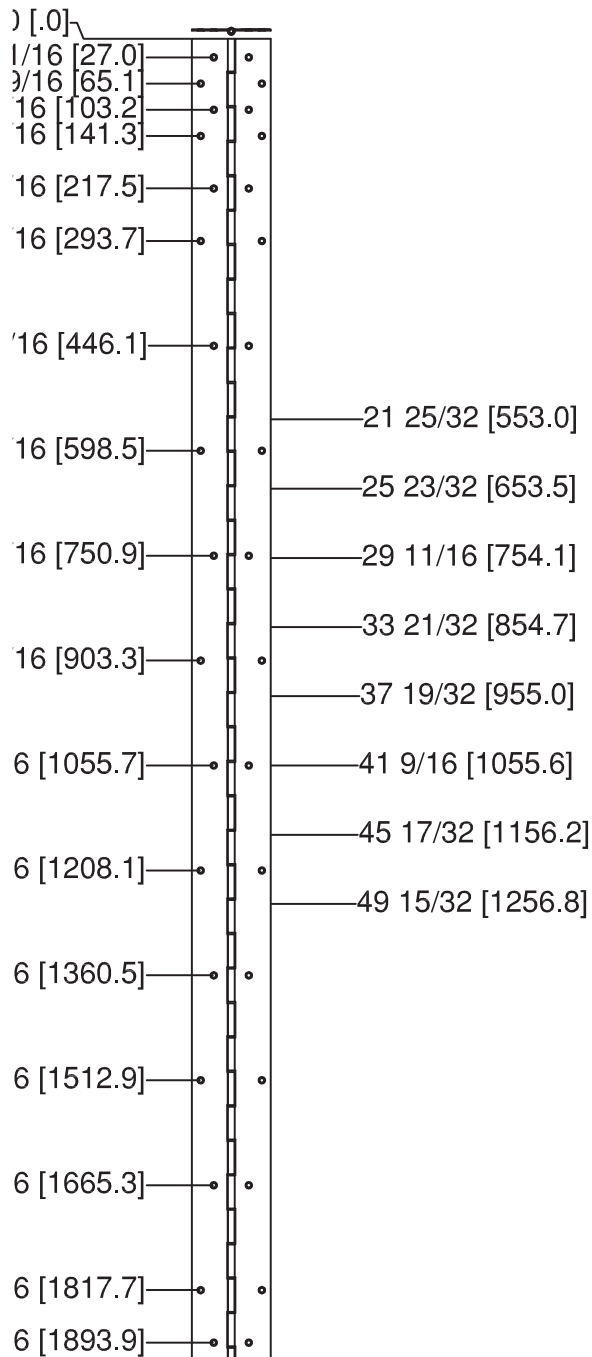
Concealed Pin & Barrel Hinges

- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes.
- Choose location for EL prep from locations dimensioned.

For 79" Models SL200, SL300, SL305, SL315 & SL3500

36 fasteners

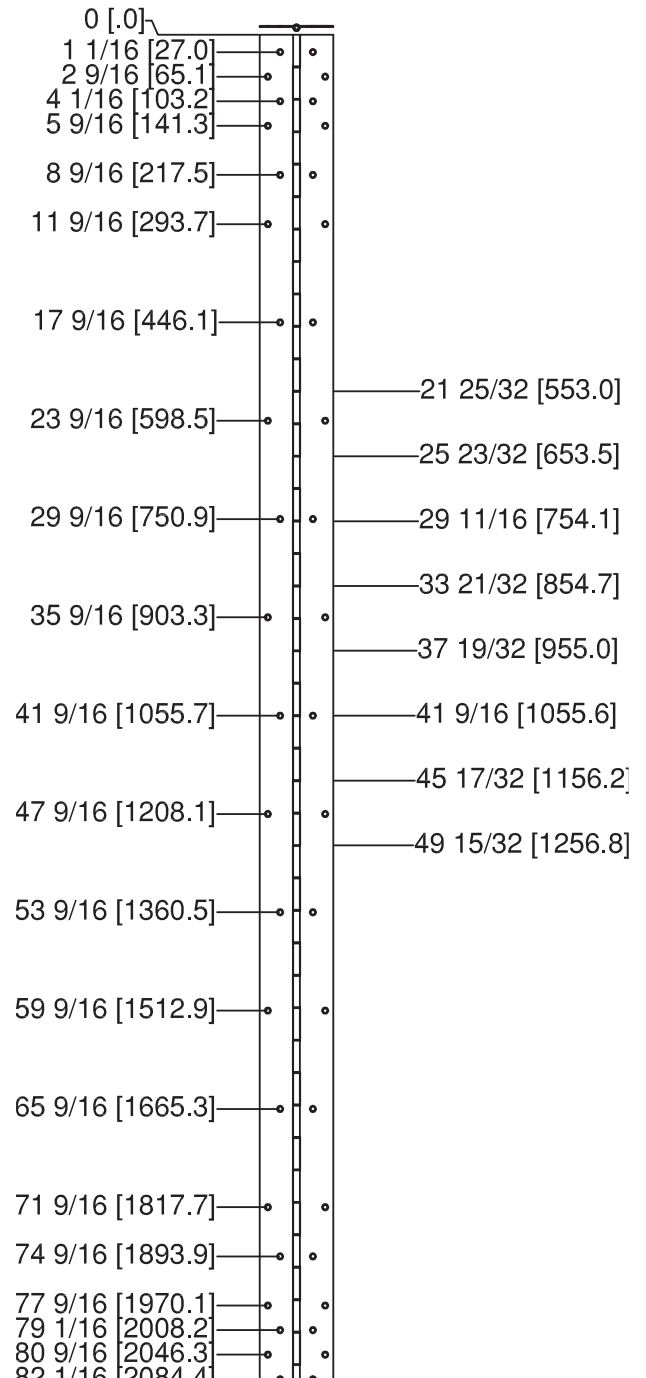
HOLES EL LOCATIONS



For 83" Models SL200, SL300, SL305, SL315 & SL3500

42 fasteners

HOLES EL LOCATIONS



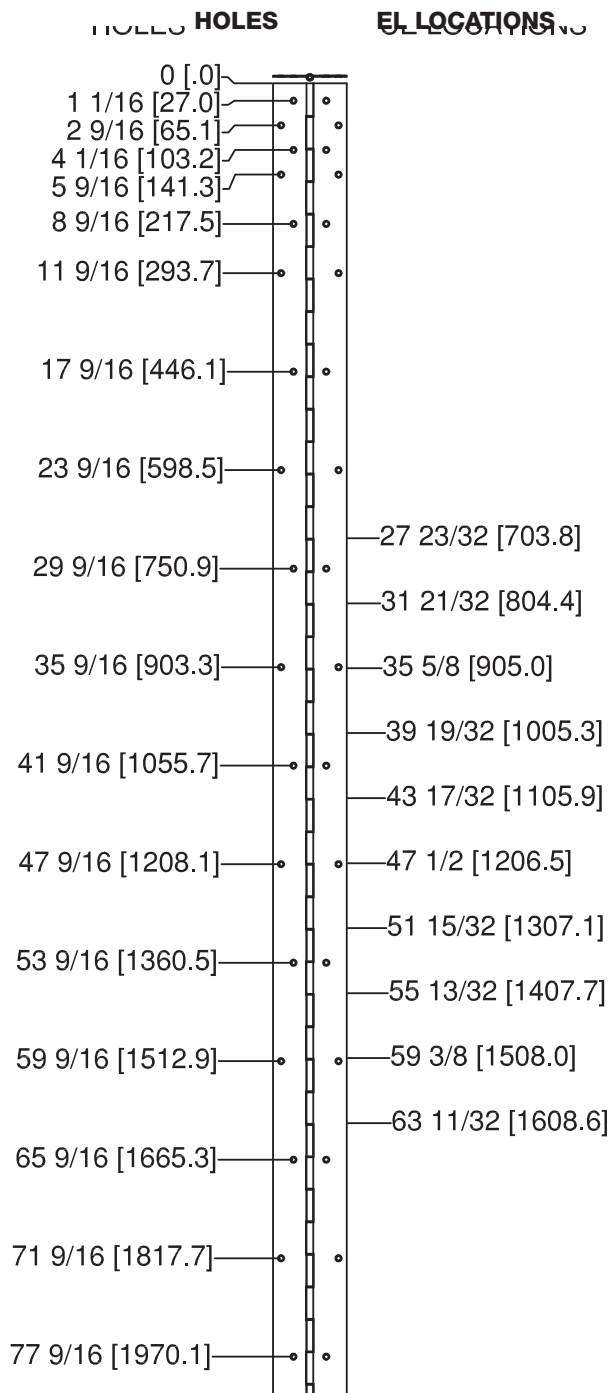
TEMPLATES

Concealed Pin & Barrel Hinges

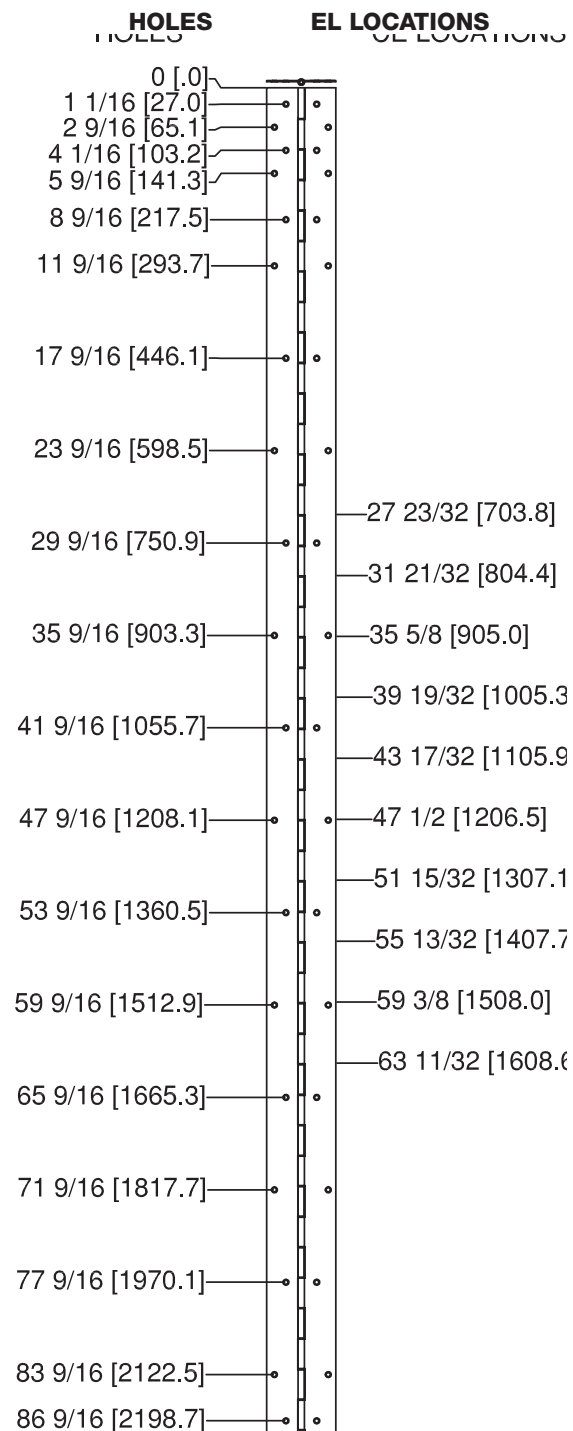


- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes.
- Choose location for EL prep from locations dimensioned.

For 85" Models SL200, SL300, SL305, SL315 & SL3500 36 fasteners



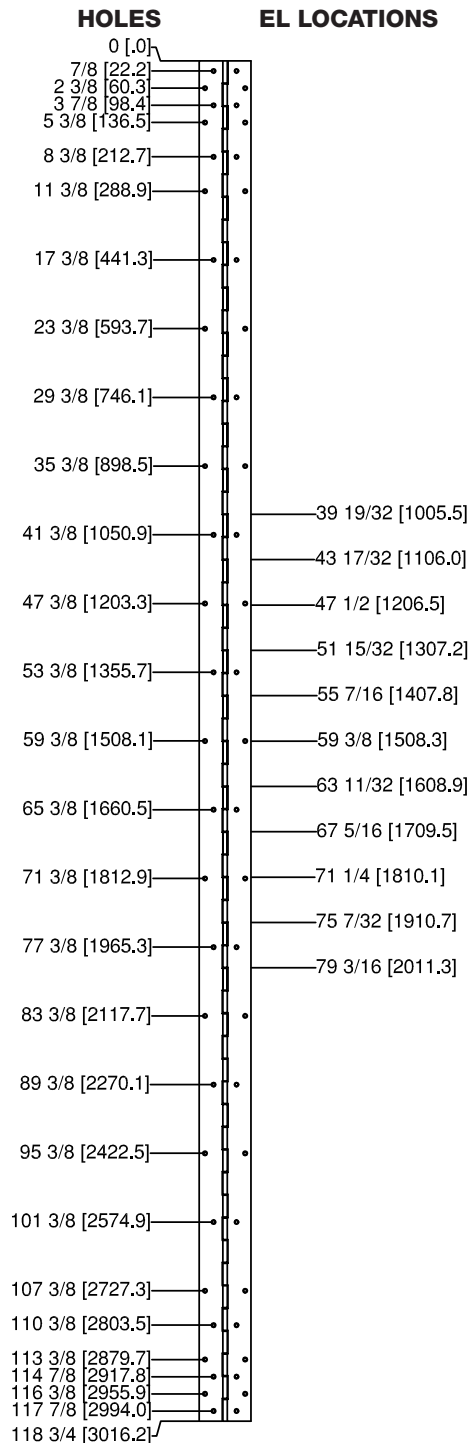
For 95" Models SL200, SL300, SL305, SL315 & SL3500 42 fasteners





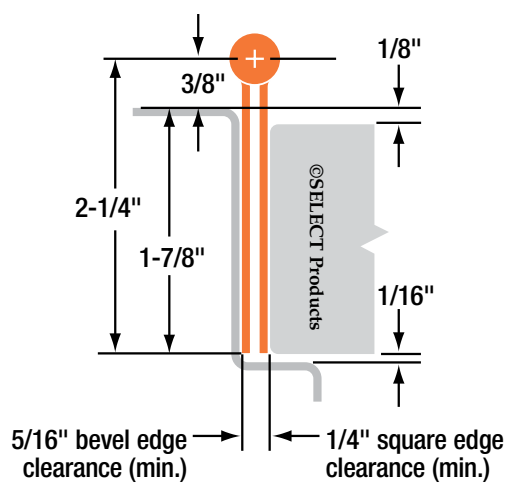
- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes.
- Choose location for EL prep from locations dimensioned.

For 119"
Models SL200, SL300, SL305,
SL315 & SL3500
54 fasteners





- Zinc plated carbon steel
- 1/8" door inset
- For 1-3/4" doors weighing up to 600 lb.
- 48" maximum door width



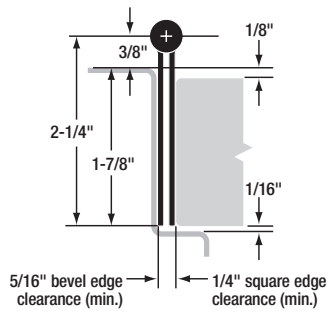
Concealed Pin & Barrel Continuous Hinge



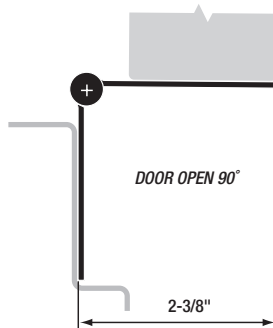
SELECT HINGES™

SL200

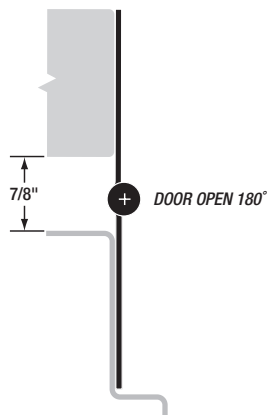
NOTES:



DOOR CLOSED



DOOR OPEN 90°



DOOR OPEN 180°

MATERIAL: 14 gauge 1012 cold-rolled steel with 3/16" diameter 304 stainless pin. Long-life nylon medical bearings.

LENGTHS: 79", 83", 85" and 95" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY: For 1-3/4" doors, 48" wide (max.), weighing up to 400 pounds (medium-frequency) without frame or door reinforcement; up to 600 pounds (low-frequency) without frame or door reinforcement.

FINISH: Zinc plated carbon steel.

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify hinge length. Screw pack contains 10-24 x 7/8" zinc plated Phillips flathead undercut self-drilling Tek® screws and 10 x 1-1/4" zinc plated Phillips flathead undercut sheet metal screws.

AVAILABLE ELECTRIC PREPS: CTP-AR, CTP-VD, EL, AMS and ETAP.

BHMA CERTIFICATION: SL200 pin & barrel continuous hinges conform to BHMA Standard ANSI/ **BHMA** BHMA A156.26-2006 Grade 1.

SL200 HINGE SCREW COUNT		
HINGE LENGTH	DOOR SCREWS	FRAME SCREWS
79"	18	18
83"	21	21
85"	18	18
95"	23	23

SPECIFICATIONS

SL200 Concealed Pin & Barrel Hinge



SELECT Advantages



ZINC PLATED CARBON STEEL

Carbon steel with a stainless steel pin creates a tough, highly secure opening.



TEMPLATED HOLE PATTERN

SELECT hinges line up perfectly, precisely, every time. Makes installation easier and faster.



DUST-FREE (MEDICAL) BEARINGS

Prevent metal-to-metal contact and eliminate dust. *Exclusive standard (no upcharge) on all SELECT Pin & Barrel hinges.*



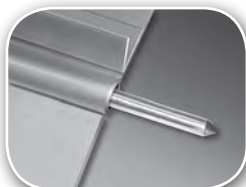
VARIETY OF FINISHES

Available in polished, brushed and painted finishes to match, contrast or accent your building's design.



3-HR. FIRE RATING

Fire-rated out of the package.
No extra parts to buy or install.
No liability worries.



STAINLESS STEEL PIN

Delivers high tensile strength by forming a strong, free-moving unit. Flexible and strong in abused openings.



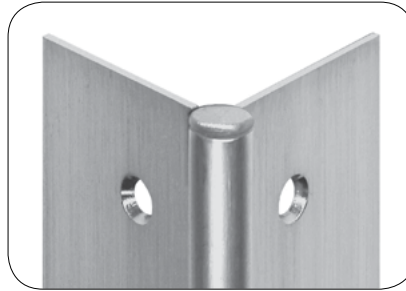
END CAPS

Spiral-knurled steel caps seal the barrel ends to contain hinge pin.

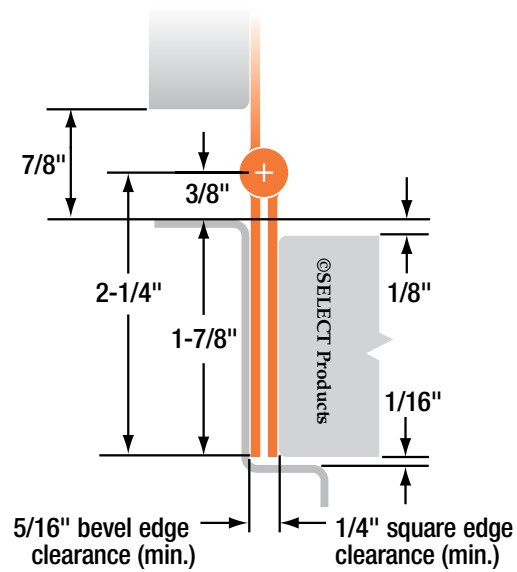
SELECT Hinge Performance

- SELECT pin & barrel continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
- SELECT pin & barrel continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier.
- SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are listed and tested by Underwriters Laboratories to meet the Positive pressure requirements of UL10C, and are in accordance with UBC 7.2 (1997). SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are for use on swinging single fire doors (max. door opening of 4' x 10') or pairs of fire doors (max. door opening of 8' x 10'), including double egress, installed in masonry or drywall. SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are rated for 20 minutes on labeled wood doors, 1-1/2 hours for labeled hollow metal and composite-core wood fire doors, and 3 hours (NO FIRE PINS OR STUDS REQUIRED) for labeled hollow metal doors mounted singly only.



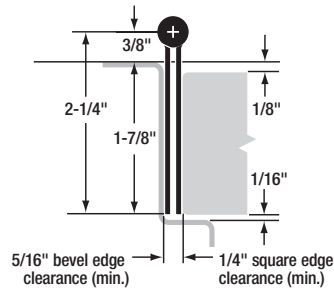


- Stainless steel
- 1/8" door inset
- For 1-3/4" doors weighing up to 600 lb.
- 48" maximum door width

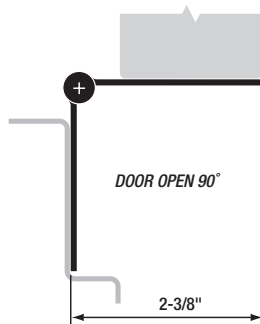


**SELECT
HINGES™**

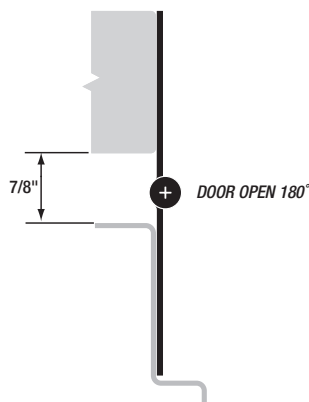
NOTES:



DOOR CLOSED



DOOR OPEN 90°



DOOR OPEN 180°

MATERIAL: 14 gauge 304 stainless steel with 3/16" diameter 304 stainless pin. Long-life nylon medical bearings.

LENGTHS: 79", 83", 85", 95" and 119" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY: For 1-3/4" doors, 48" wide (max.), weighing up to 400 pounds (medium-frequency) without frame or door reinforcement; up to 600 pounds (low-frequency) without frame or door reinforcement.

FINISH: US32D satin stainless steel (630).

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify hinge length. Screw pack contains 10-24 x 7/8" 410SS Phillips flathead undercut self-drilling Tek® screws and 10 x 1-1/4" 410SS Phillips flathead undercut sheet metal screws.

AVAILABLE ELECTRIC PREPS: CTP-AR, CTP-VD, EL, AMS and ETAP.

BHMA CERTIFICATION: SL300 pin & barrel continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.



SL300 HINGE SCREW COUNT		
HINGE LENGTH	DOOR SCREWS	FRAME SCREWS
79"	18	18
83"	21	21
85"	18	18
95"	23	23
119"	27	27

SPECIFICATIONS

SL300 Concealed Pin & Barrel Hinge



SELECT Advantages



CORROSION-RESISTANT STAINLESS STEEL

Stainless steel pin & barrel design creates a tough, highly secure opening.



TEMPLATED HOLE PATTERN

SELECT hinges line up perfectly, precisely, every time. Makes installation easier and faster.



DUST-FREE (MEDICAL) BEARINGS

Prevent metal-to-metal contact and eliminate dust. *Exclusive standard (no upcharge) on all SELECT Pin & Barrel hinges.*



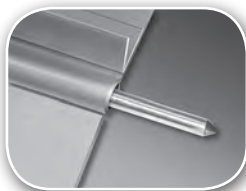
VARIETY OF FINISHES

Available in polished, brushed and painted finishes to match, contrast or accent your building's design.



3-HR. FIRE RATING

Fire-rated out of the package.
No extra parts to buy or install.
No liability worries.



STAINLESS STEEL PIN

Delivers high tensile strength by forming a strong, free-moving unit. Flexible and strong in abused openings.



END CAPS

Spiral-knurled steel caps seal the barrel ends to contain hinge pin.

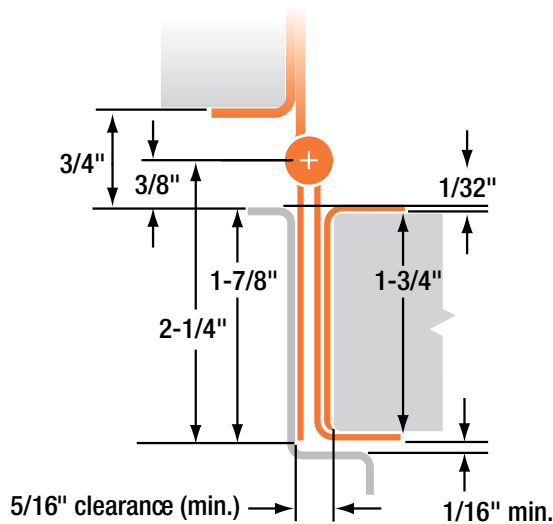
SELECT Hinge Performance

- SELECT pin & barrel continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
- SELECT pin & barrel continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier.
- SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are listed and tested by Underwriters Laboratories to meet the Positive pressure requirements of UL10C, and are in accordance with UBC 7.2 (1997). SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are for use on swinging single fire doors (max. door opening of 4' x 10') or pairs of fire doors (max. door opening of 8' x 10'), including double egress, installed in masonry or drywall. SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are rated for 20 minutes on labeled wood doors, 1-1/2 hours for labeled hollow metal and composite-core wood fire doors, and 3 hours (NO FIRE PINS OR STUDS REQUIRED) for labeled hollow metal doors mounted singly only.





- Stainless steel
- Door guard
- Universal Adjusta-Screw™ fasteners (right-hand thread) available at extra cost
- For 1-3/4" doors weighing up to 600 lb.
- 48" maximum door width

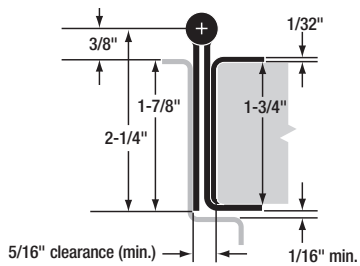


Concealed Pin & Barrel Continuous Hinge

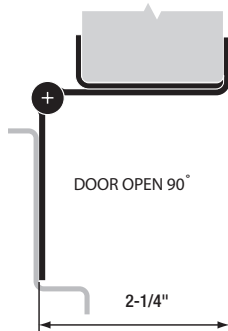


SL305

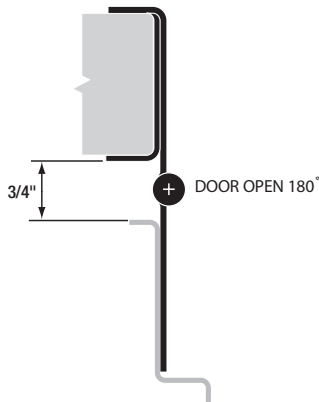
NOTES:



DOOR CLOSED



DOOR OPEN 90°



DOOR OPEN 180°

MATERIAL: 14 gauge 304 stainless steel with 3/16" diameter 304 stainless pin. Long-life nylon medical bearings.

LENGTHS: 79", 83", 85", 95" and 119" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY: For 1-3/4" doors, 48" wide (max.), weighing up to 400 pounds (medium-frequency) without frame or door reinforcement; up to 600 pounds (low-frequency) without frame or door reinforcement.

FINISH: US32D satin stainless steel (630).

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify hinge length. Screw pack contains 10-24 x 7/8" 410SS Phillips flathead undercut self-drilling Tek® screws and 10 x 1-1/4" 410SS Phillips flathead undercut sheet metal screws. Adjusta-Screw™ fasteners available at extra cost.

AVAILABLE ELECTRIC PREPS: CTP-AR, CTP-VD, EL, AMS and ETAP.

BHMA CERTIFICATION: SL305 pin & barrel continuous hinges conform to BHMA Standard **BHMA CERTIFIED** ANSI/BHMA A156.26-2006 Grade 1.

SL305 HINGE SCREW COUNT		
HINGE LENGTH	DOOR SCREWS	FRAME SCREWS
79"	18	18
83"	21	21
85"	18	18
95"	23	23
119"	27	27

SPECIFICATIONS

SL305 Concealed Pin & Barrel Hinge



SELECT Advantages



CORROSION-RESISTANT STAINLESS STEEL

Stainless steel pin & barrel design creates a tough, highly secure opening.



TEMPLATED HOLE PATTERN

SELECT hinges line up perfectly, precisely, every time. Makes installation easier and faster.



DUST-FREE (MEDICAL) BEARINGS

Prevent metal-to-metal contact and eliminate dust. *Exclusive standard (no upcharge) on all SELECT Pin & Barrel hinges.*



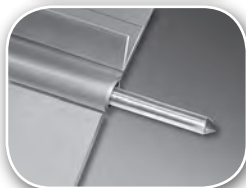
VARIETY OF FINISHES

Available in polished, brushed and painted finishes to match, contrast or accent your building's design.



3-HR. FIRE RATING

Fire-rated out of the package. No extra parts to buy or install. No liability worries.



STAINLESS STEEL PIN

Delivers high tensile strength by forming a strong, free-moving unit. Flexible and strong in abused openings.



ADJUSTA-SCREW™ FASTENERS

Remedy out-of-square doors and frames easily. Correct fit variances up to 3/8" along full length of door.



END CAPS

Spiral-knurled steel caps seal the barrel ends to contain hinge pin.

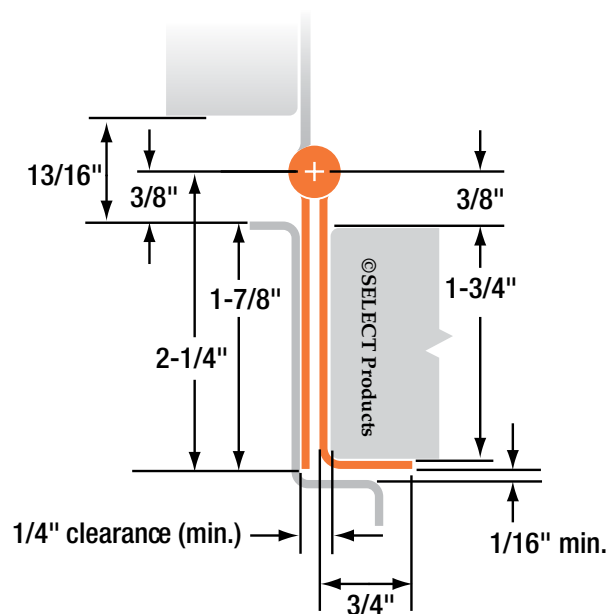
SELECT Hinge Performance

- SELECT pin & barrel continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- On conventional hinges, opening and "kick-back" energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. "Kick-back" energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge's 4-1/2" to 5" at the top of the door and frame).
- SELECT pin & barrel continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier.
- SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are listed and tested by Underwriters Laboratories to meet the Positive pressure requirements of UL10C, and are in accordance with UBC 7.2 (1997). SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are for use on swinging single fire doors (max. door opening of 4' x 10') or pairs of fire doors (max. door opening of 8' x 10'), including double egress, installed in masonry or drywall. SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are rated for 20 minutes on labeled wood doors, 1-1/2 hours for labeled hollow metal and composite-core wood fire doors, and 3 hours (NO FIRE PINS OR STUDS REQUIRED) for labeled hollow metal doors mounted singly only.





- Stainless steel
- Edge guard
- For 1-3/4" doors weighing up to 600 lb.
- 48" maximum door width



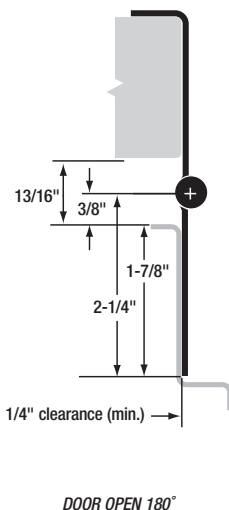
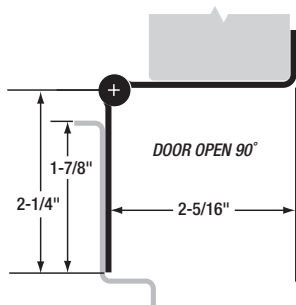
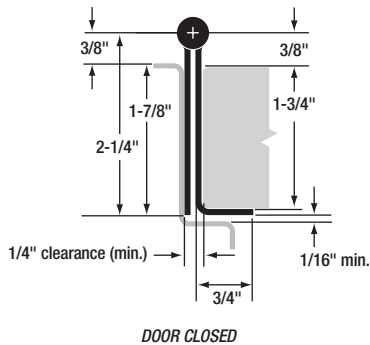
Concealed Pin & Barrel Continuous Hinge



SELECT HINGES™

SL315

NOTES:



MATERIAL: 14 gauge 304 stainless steel with 3/16" diameter 304 stainless pin. Long-life nylon medical bearings.

LENGTHS: 79", 83", 85", 95" and 119" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY: For 1-3/4" doors, 48" wide (max.), weighing up to 400 pounds (medium-frequency) without frame or door reinforcement; up to 600 pounds (low-frequency) without frame or door reinforcement.

FINISH: US32D satin stainless steel (630).

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify hinge length. Screw pack contains 10-24 x 7/8" 410SS Phillips flathead undercut self-drilling Tek® screws and 10 x 1-1/4" 410SS Phillips flathead undercut sheet metal screws.

AVAILABLE ELECTRIC PREPS: CTP-AR, CTP-VD, EL, AMS and ETAP.

BHMA CERTIFICATION: SL315 pin & barrel continuous hinges conform to BHMA Standard ANSI/ **BHMA** A156.26-2006 Grade 1.

SL315 HINGE SCREW COUNT

HINGE LENGTH	DOOR SCREWS	FRAME SCREWS
79"	18	18
83"	21	21
85"	18	18
95"	23	23
119"	27	27

SPECIFICATIONS

SL315 Concealed Pin & Barrel Hinge



SELECT Advantages



CORROSION-RESISTANT STAINLESS STEEL

Stainless steel pin & barrel design creates a tough, highly secure opening.



TEMPLATED HOLE PATTERN

SELECT hinges line up perfectly, precisely, every time. Makes installation easier and faster.



DUST-FREE (MEDICAL) BEARINGS

Prevent metal-to-metal contact and eliminate dust. *Exclusive standard (no upcharge) on all SELECT Pin & Barrel hinges.*



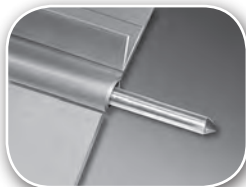
VARIETY OF FINISHES

Available in polished, brushed and painted finishes to match, contrast or accent your building's design.



3-HR. FIRE RATING

Fire-rated out of the package.
No extra parts to buy or install.
No liability worries.



STAINLESS STEEL PIN

Delivers high tensile strength by forming a strong, free-moving unit. Flexible and strong in abused openings.



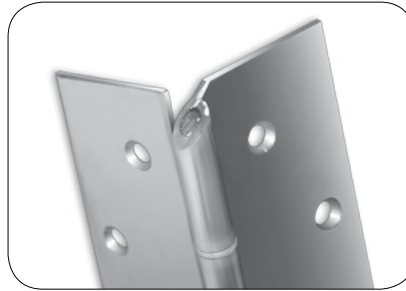
END CAPS

Spiral-knurled steel caps seal the barrel ends to contain hinge pin.

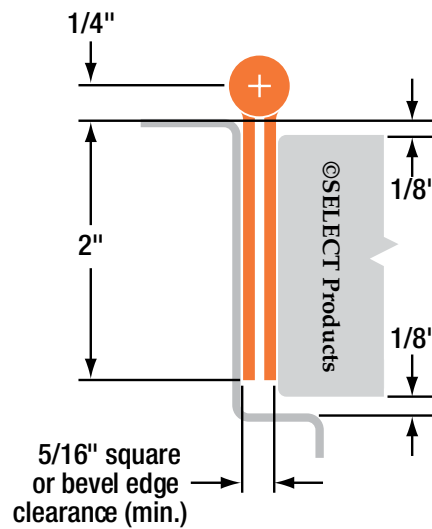
SELECT Hinge Performance

- SELECT pin & barrel continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
- SELECT pin & barrel continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier.
- SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are listed and tested by Underwriters Laboratories to meet the Positive pressure requirements of UL10C, and are in accordance with UBC 7.2 (1997). SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are for use on swinging single fire doors (max. door opening of 4' x 10') or pairs of fire doors (max. door opening of 8' x 10'), including double egress, installed in masonry or drywall. SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are rated for 20 minutes on labeled wood doors, 1-1/2 hours for labeled hollow metal and composite-core wood fire doors, and 3 hours (NO FIRE PINS OR STUDS REQUIRED) for labeled hollow metal doors mounted singly only.



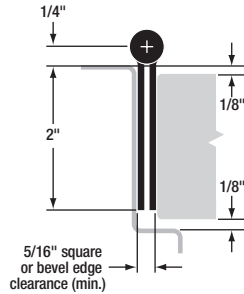


- Extra-heavy duty 12 gauge stainless steel
- Meets ASTM F1450A Abuse Test requirements
- Hospital Tip Prep standard
- Torx® head security fasteners available at extra cost
- 1/8" door inset
- For 1-3/4" to 2" doors weighing up to 900 lb.
- 48" maximum door width

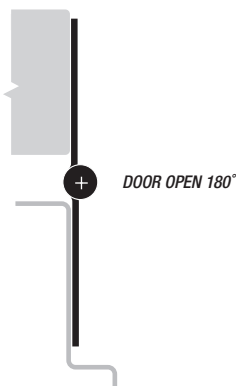
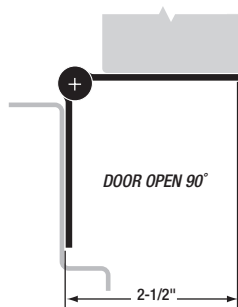


**SELECT
HINGES™**

NOTES:



DOOR CLOSED



MATERIAL: 12 gauge 304 stainless steel with 3/16" diameter 304 stainless pin. Long-life nylon medical bearings.

LENGTHS: 79", 83", 85", 95" and 119" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY: For 1-3/4" — 2" doors, 48" wide (max.), weighing up to 900 pounds with frame and door reinforcement.

FINISH: US32D satin stainless steel (630).

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify hinge length. Screw pack contains 12-24 x 1/2" stainless steel Phillips flathead undercut machine screws. Torx® head security fasteners available at extra cost.

AVAILABLE ELECTRIC PREPS: CTP-AR, CTP-VD, EL, AMS and ETAP.

BHMA CERTIFICATION: SL3500 pin & barrel continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.



SL3500 HINGE SCREW COUNT

HINGE LENGTH	DOOR SCREWS	FRAME SCREWS
79"	18	18
83"	21	21
85"	18	18
95"	23	23
119"	27	27

SPECIFICATIONS

SL3500 Concealed Pin & Barrel Hinge



SELECT Advantages



CORROSION-RESISTANT STAINLESS STEEL

Stainless steel pin & barrel design creates a tough, highly secure opening.



TEMPLATED HOLE PATTERN

SELECT hinges line up perfectly, precisely, every time. Makes installation easier and faster.



DUST-FREE (MEDICAL) BEARINGS

Prevent metal-to-metal contact and eliminate dust. *Exclusive standard (no upcharge) on all SELECT Pin & Barrel hinges.*



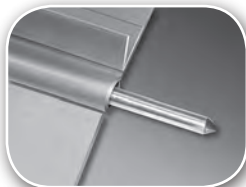
VARIETY OF FINISHES

Available in polished, brushed and painted finishes to match, contrast or accent your building's design.



3-HR. FIRE RATING

Fire-rated out of the package.
No extra parts to buy or install.
No liability worries.



STAINLESS STEEL PIN

Delivers high tensile strength by forming a strong, free-moving unit. Flexible and strong in abused openings.



END CAPS

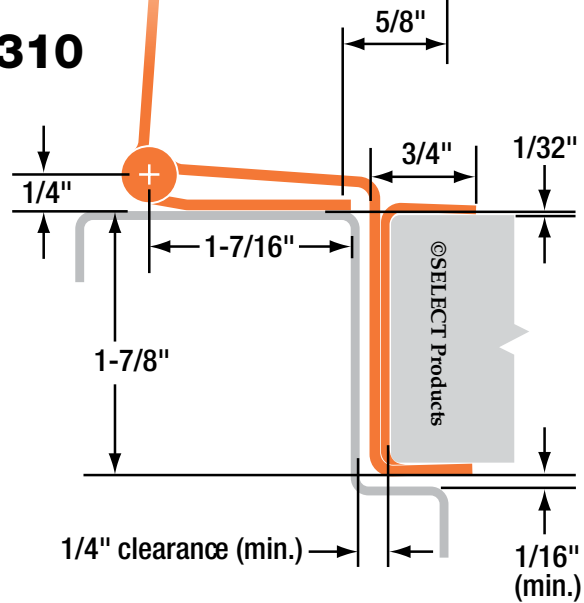
Spiral-knurled steel caps seal the barrel ends to contain hinge pin.

SELECT Hinge Performance

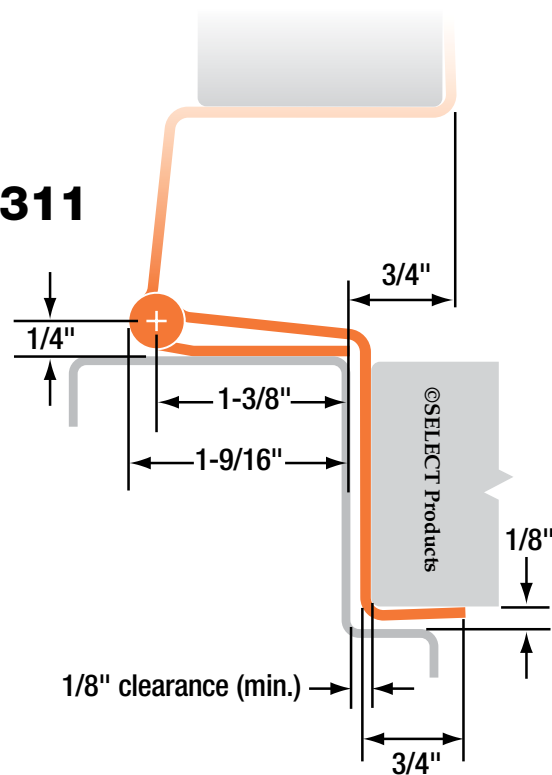
- SELECT pin & barrel continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
- SELECT pin & barrel continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier.
- SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are listed and tested by Underwriters Laboratories to meet the Positive pressure requirements of UL10C, and are in accordance with UBC 7.2 (1997). SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are for use on swinging single fire doors (max. door opening of 4' x 10') or pairs of fire doors (max. door opening of 8' x 10'), including double egress, installed in masonry or drywall. SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are rated for 20 minutes on labeled wood doors, 1-1/2 hours for labeled hollow metal and composite-core wood fire doors, and 3 hours (NO FIRE PINS OR STUDS REQUIRED) for labeled hollow metal doors mounted singly only.



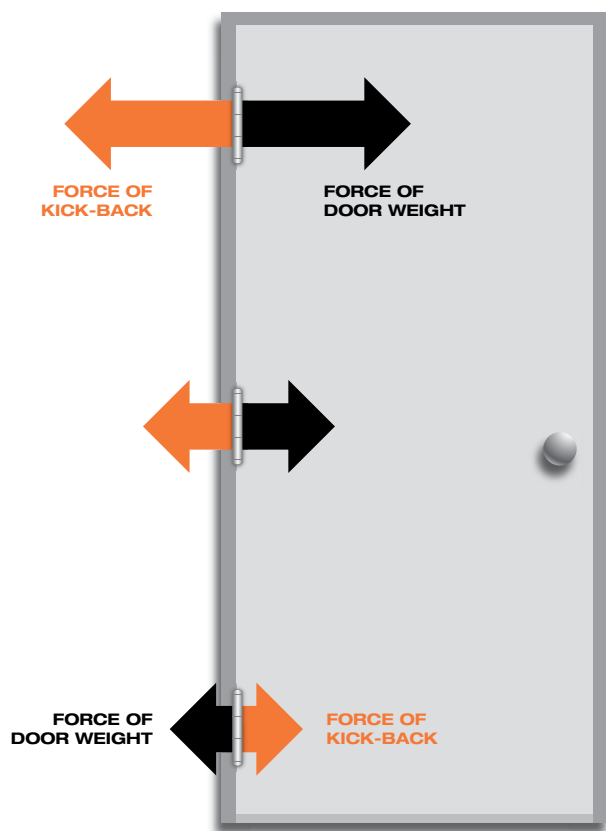
SL310



SL311

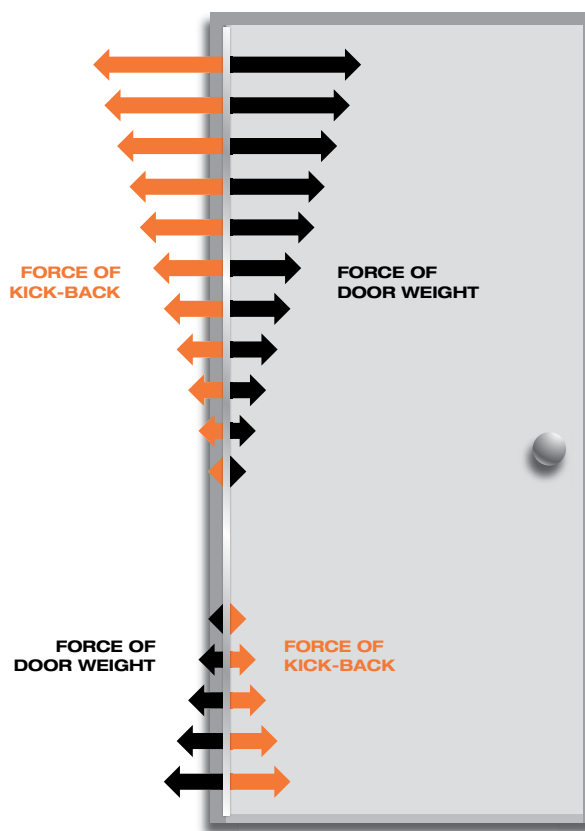


Swing Clear Pin & Barrel Continuous Hinges



Conventional butt hinges

On conventional hinges, opening and “kickback” energy from closers and automatic operators concentrates on the top butt hinge. This force works against the top hinge, eventually forcing it apart or pulling it from the frame/door.



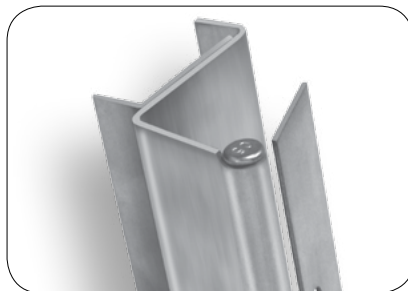
Continuous hinges

SELECT continuous hinges unite the door and frame into an integrated, sag-free unit. “Kickback” energy dissipates along the entire length of the door and frame and prevents hinge failure.

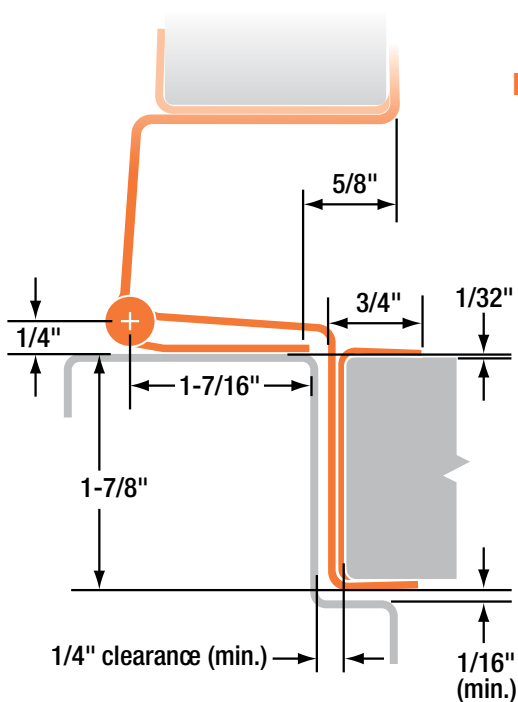


**SELECT
HINGES™**

SL310 **Swing Clear Pin & Barrel Continuous Hinge**



- Stainless steel
- Swing-clear action
- Door guard
- Universal Adjusta-Screw™ fasteners (right-hand thread) available at extra cost
- For 1-3/4" doors weighing up to 600 lb.
- 48" maximum door width



SL310

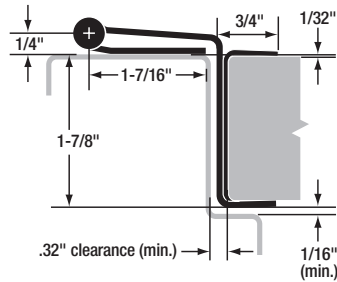
Swing Clear Pin & Barrel Continuous Hinge



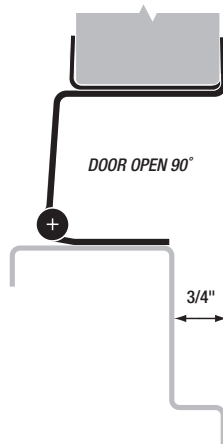
SELECT HINGES™

SL310

NOTES:



DOOR CLOSED



DOOR OPEN 90°

MATERIAL: 14 gauge 304 stainless steel barrel with 3/16" diameter 304 stainless pin. Long-life nylon medical bearings.

LENGTHS: 79", 83", 85", 95" and 119" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY: For 1-3/4" doors, 48" wide (max.), weighing up to 400 pounds (medium-frequency) without frame or door reinforcement; up to 600 pounds (low-frequency) without frame or door reinforcement.

FINISH: US32D satin stainless steel (630).

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify hinge length. Screw pack contains 10-24 x 7/8" 410SS Phillips flathead undercut self-drilling Tek® screws and 10 x 1-1/4" 410SS Phillips flathead undercut sheet metal screws. Adjusta-Screw™ fasteners available at extra cost.

BHMA CERTIFICATION: SL310 pin & barrel continuous hinges conform to BHMA Standard **BHMA CERTIFIED** ANSI/BHMA A156.26-2006 Grade 1.

SL310 HINGE SCREW COUNT		
HINGE LENGTH	DOOR SCREWS	FRAME SCREWS
79"	18	18
83"	21	21
85"	18	18
95"	23	23
119"	27	27

SPECIFICATIONS

SL310 Swing Clear Pin & Barrel Hinge



SELECT Advantages



CORROSION-RESISTANT STAINLESS STEEL

Stainless steel pin & barrel design creates a tough, highly secure opening.



TEMPLATED HOLE PATTERN

SELECT hinges line up perfectly, precisely, every time. Makes installation easier and faster.



DUST-FREE (MEDICAL) BEARINGS

Prevent metal-to-metal contact and eliminate dust. *Exclusive standard (no upcharge) on all SELECT Pin & Barrel hinges.*



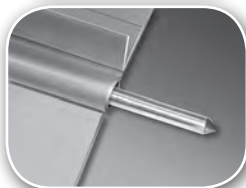
VARIETY OF FINISHES

Available in polished, brushed and painted finishes to match, contrast or accent your building's design.



3-HR. FIRE RATING

Fire-rated out of the package. No extra parts to buy or install. No liability worries.



STAINLESS STEEL PIN

Delivers high tensile strength by forming a strong, free-moving unit. Flexible and strong in abused openings.



ADJUSTA-SCREW™ FASTENERS

Remedy out-of-square doors and frames easily. Correct fit variances up to 3/8" along full length of door.



END CAPS

Spiral-knurled steel caps seal the barrel ends to contain hinge pin.

SELECT Hinge Performance

- SELECT pin & barrel continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
- SELECT pin & barrel continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier.
- SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are listed and tested by Underwriters Laboratories to meet the Positive pressure requirements of UL10C, and are in accordance with UBC 7.2 (1997). SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are for use on swinging single fire doors (max. door opening of 4' x 10') or pairs of fire doors (max. door opening of 8' x 10'), including double egress, installed in masonry or drywall. SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are rated for 20 minutes on labeled wood doors, 1-1/2 hours for labeled hollow metal and composite-core wood fire doors, and 3 hours (NO FIRE PINS OR STUDS REQUIRED) for labeled hollow metal doors mounted singly only.





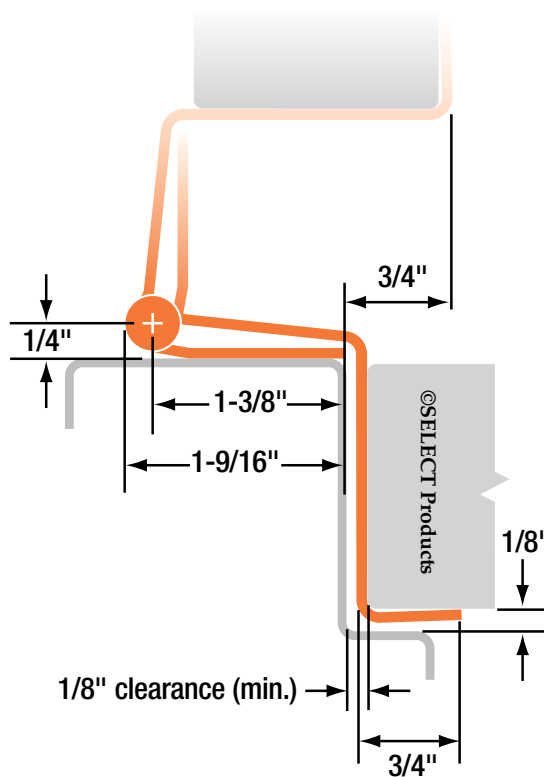
**SELECT
HINGES™**

SL311

Swing Clear Pin & Barrel Continuous Hinge



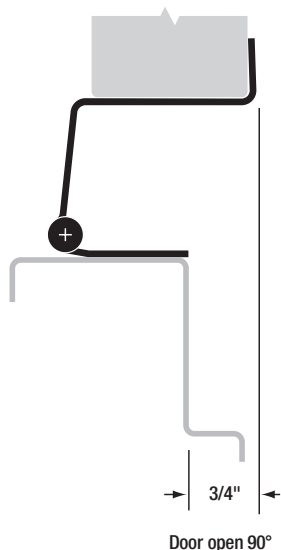
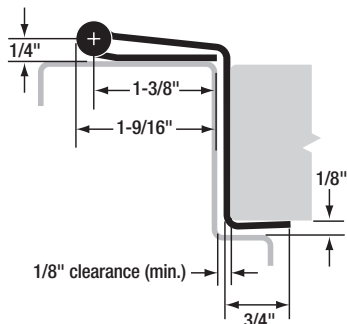
- Stainless steel
- Swing-clear action
- Edge guard
- For 1-3/4" doors weighing up to 600 lb.
- 48" maximum door width



SL311

SELECT HINGES™

NOTES:



MATERIAL: 14 gauge 304 stainless steel barrel with 3/16" diameter 304 stainless pin. Long-life nylon medical bearings.

LENGTHS: 79", 83", 85", 95" and 119" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY: For 1-3/4" doors, 48" wide (max.), weighing up to 400 lb. (medium-frequency) without frame or door reinforcement; up to 600 lb. (low-frequency) without frame or door reinforcement.

FINISH: US32D satin stainless steel (630).

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify hinge length. Screw pack contains 10-24 x 7/8" 410SS Phillips flathead undercut self-drilling Tek® screws and 10 x 1-1/4" 410SS Phillips flathead undercut sheet metal screws.

BHMA CERTIFICATION: SL311 pin & barrel continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.



SL311 HINGE SCREW COUNT

HINGE LENGTH	DOOR SCREWS	FRAME SCREWS
79"	18	18
83"	21	21
85"	18	18
95"	23	23
119"	27	27

SPECIFICATIONS

SL311 Swing Clear Pin & Barrel Hinge



SELECT Advantages



CORROSION-RESISTANT STAINLESS STEEL

Stainless steel pin & barrel design creates a tough, highly secure opening.



TEMPLATED HOLE PATTERN

SELECT hinges line up perfectly, precisely, every time. Makes installation easier and faster.



DUST-FREE (MEDICAL) BEARINGS

Prevent metal-to-metal contact and eliminate dust. *Exclusive standard (no upcharge) on all SELECT Pin & Barrel hinges.*



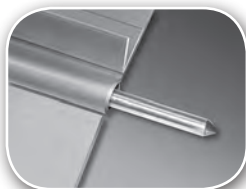
VARIETY OF FINISHES

Available in polished, brushed and painted finishes to match, contrast or accent your building's design.



3-HR. FIRE RATING

Fire-rated out of the package.
No extra parts to buy or install.
No liability worries.



STAINLESS STEEL PIN

Delivers high tensile strength by forming a strong, free-moving unit. Flexible and strong in abused openings.



END CAPS

Spiral-knurled steel caps seal the barrel ends to contain hinge pin.

SELECT Hinge Performance

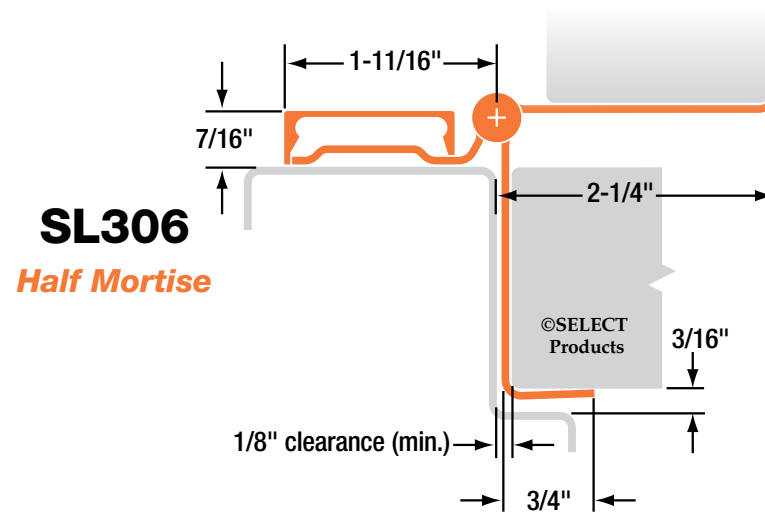
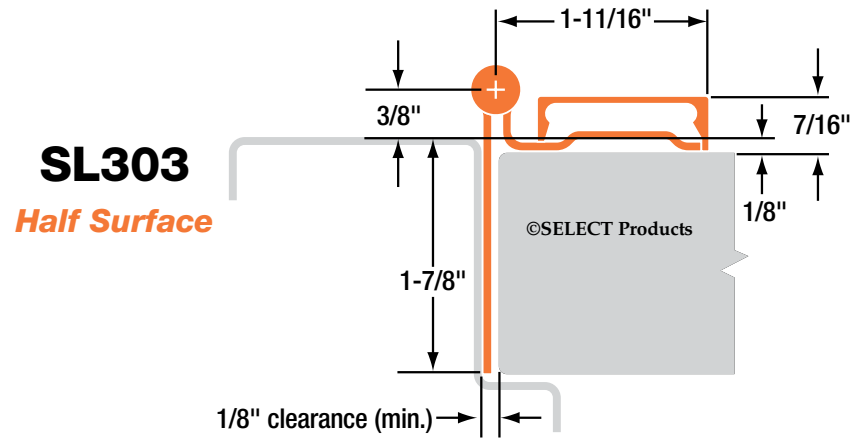
- SELECT pin & barrel continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
- SELECT pin & barrel continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier.
- SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are listed and tested by Underwriters Laboratories to meet the Positive pressure requirements of UL10C, and are in accordance with UBC 7.2 (1997). SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are for use on swinging single fire doors (max. door opening of 4' x 10') or pairs of fire doors (max. door opening of 8' x 10'), including double egress, installed in masonry or drywall. SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are rated for 20 minutes on labeled wood doors, 1-1/2 hours for labeled hollow metal and composite-core wood fire doors, and 3 hours (NO FIRE PINS OR STUDS REQUIRED) for labeled hollow metal doors mounted singly only.





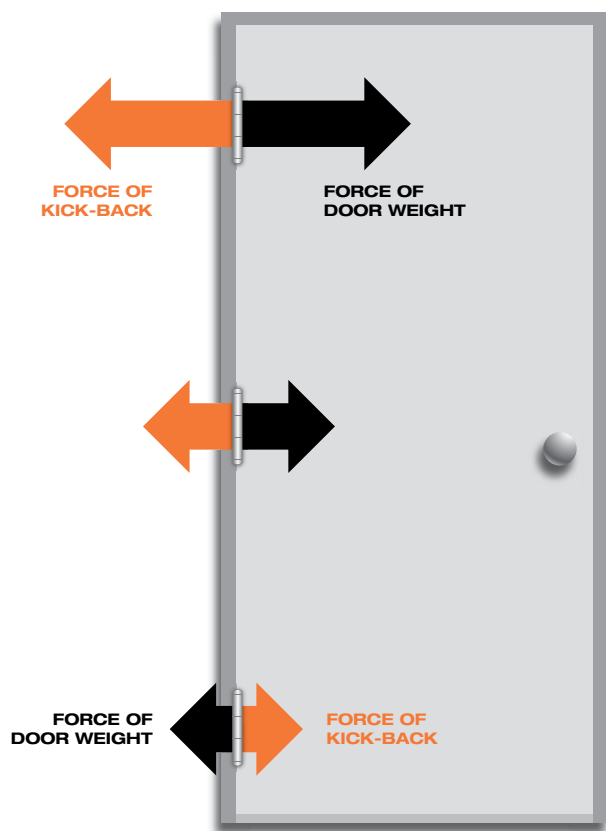
**SELECT
HINGES™**

Half Surface • Half Mortise Pin & Barrel Hinges



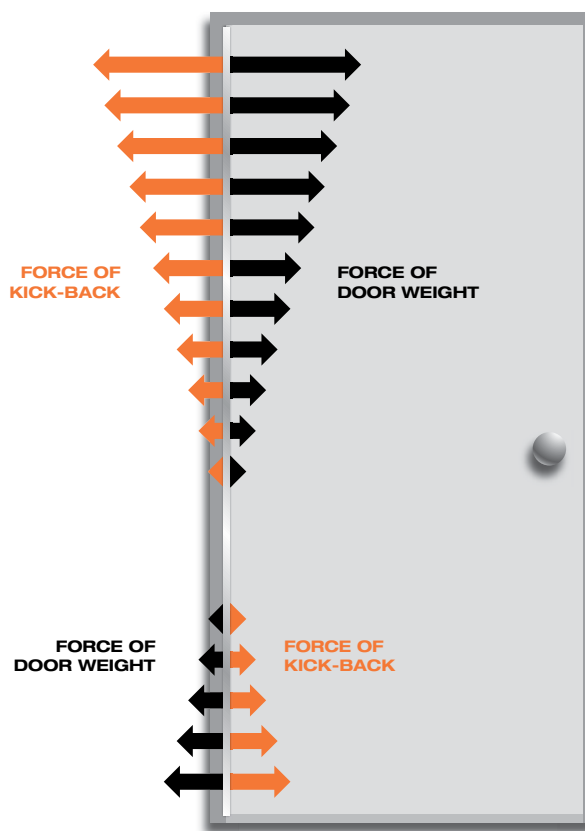
HALF SURFACE • HALF MORTISE

Half Surface • Half Mortise Pin & Barrel Hinges



Conventional butt hinges

On conventional hinges, opening and “kickback” energy from closers and automatic operators concentrates on the top butt hinge. This force works against the top hinge, eventually forcing it apart or pulling it from the frame/door.



Continuous hinges

SELECT continuous hinges unite the door and frame into an integrated, sag-free unit. “Kickback” energy dissipates along the entire length of the door and frame and prevents hinge failure.



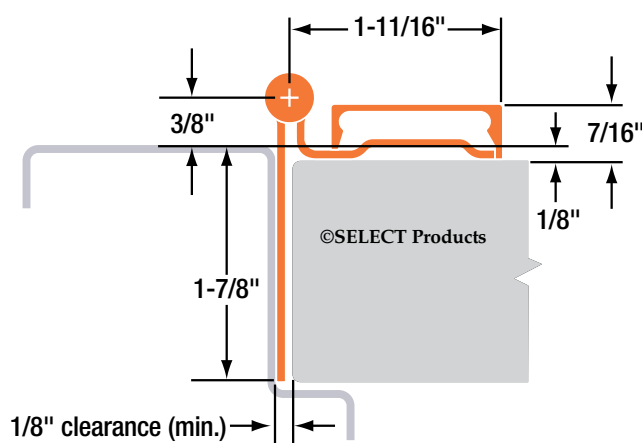
**SELECT
HINGES™**

SL303 Half Surface Pin & Barrel Continuous Hinge

SL303



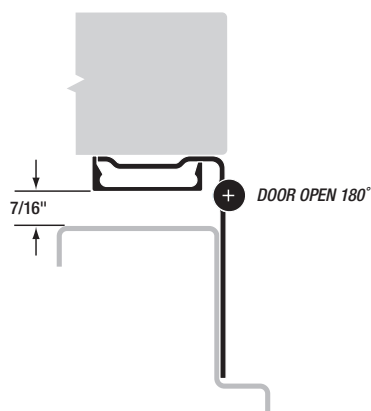
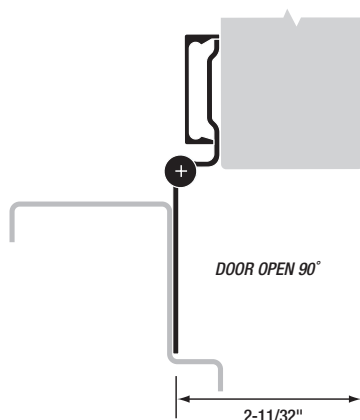
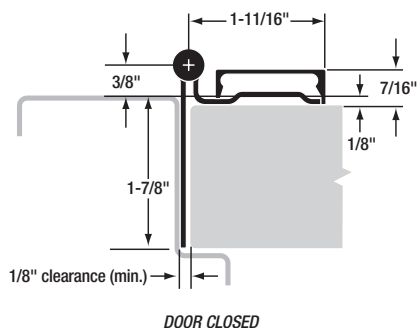
- Stainless steel
- Mounts on door face and frame rabbett
- Tamper-resistant door leaf cover
- 1/8" door inset
- For 1-3/4" doors weighing up to 600 lb.
- 48" maximum door width



SL303

SELECT HINGES™

NOTES:



MATERIAL: 14 gauge 304 stainless steel barrel with 3/16" diameter 304 stainless pin. Long-life nylon medical bearings.

LENGTHS: 79", 83", 85", 95" and 119" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY: For 1-3/4" doors, 48" wide (max.), weighing up to 400 lb. (medium-frequency) without frame or door reinforcement; up to 600 lb. (low-frequency) without frame or door reinforcement.

FINISH: US32D satin stainless steel (630).

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify hinge length. Screw pack contains 10-24 x 7/8" 410SS Phillips flathead undercut self-drilling Tek® screws, 10 x 1-1/4" 410SS Phillips flathead undercut sheet metal screws, 1/4-20 x 3/4" zinc plated Torx® panhead self-drilling Tek® screws, 8 x 3/4" zinc plated Phillips flathead undercut self-drilling Tek® screws and zinc plated cover clips.

AVAILABLE ELECTRIC PREPS: CTP-AR and CTP-VD.

BHMA CERTIFICATION: SL303 pin & barrel continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.



SL303 HINGE SCREW COUNT		
HINGE LENGTH	DOOR SCREWS	FRAME SCREWS
79"	13	18
83"	14	21
85"	14	18
95"	16	23
119"	20	27

SPECIFICATIONS

SL303 Half Surface Pin & Barrel Hinge



SELECT Advantages



CORROSION-RESISTANT STAINLESS STEEL

Stainless steel pin & barrel design creates a tough, highly secure opening.



TEMPLATED HOLE PATTERN

SELECT hinges line up perfectly, precisely, every time. Makes installation easier and faster.



DUST-FREE (MEDICAL) BEARINGS

Prevent metal-to-metal contact and eliminate dust. *Exclusive standard (no upcharge) on all SELECT Pin & Barrel hinges.*



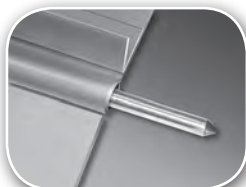
VARIETY OF FINISHES

Available in polished, brushed and painted finishes to match, contrast or accent your building's design.



3-HR. FIRE RATING

Fire-rated out of the package.
No extra parts to buy or install.
No liability worries.



STAINLESS STEEL PIN

Delivers high tensile strength by forming a strong, free-moving unit. Flexible and strong in abused openings.



END CAPS

Spiral-knurled steel caps seal the barrel ends to contain hinge pin.

SELECT Hinge Performance

- SELECT pin & barrel continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
- SELECT pin & barrel continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier.
- SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are listed and tested by Underwriters Laboratories to meet the Positive pressure requirements of UL10C, and are in accordance with UBC 7.2 (1997). SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are for use on swinging single fire doors (max. door opening of 4' x 10') or pairs of fire doors (max. door opening of 8' x 10'), including double egress, installed in masonry or drywall. SELECT pin & barrel continuous hinges (excluding Toilet Partition hinges) are rated for 20 minutes on labeled wood doors, 1-1/2 hours for labeled hollow metal and composite-core wood fire doors, and 3 hours (NO FIRE PINS OR STUDS REQUIRED) for labeled hollow metal doors mounted singly only.



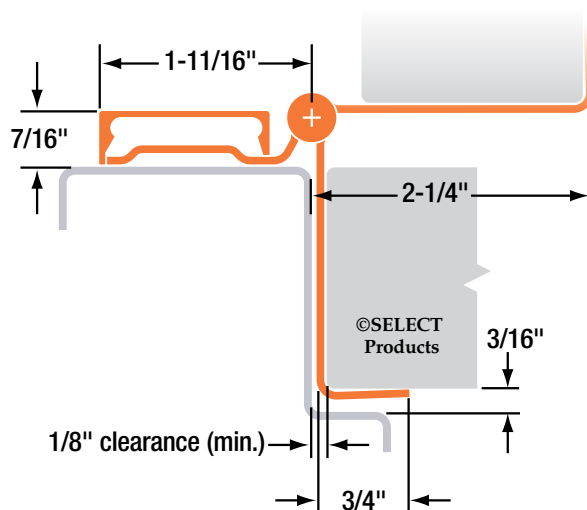


**SELECT
HINGES™**

SL306 Half Mortise Pin & Barrel Continuous Hinge

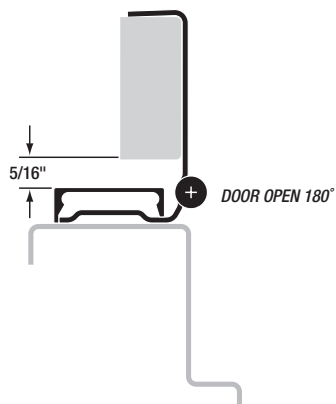
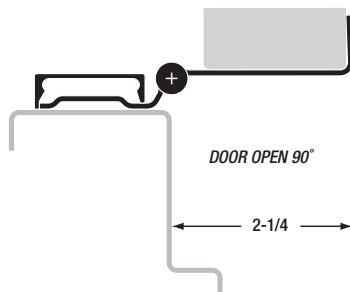
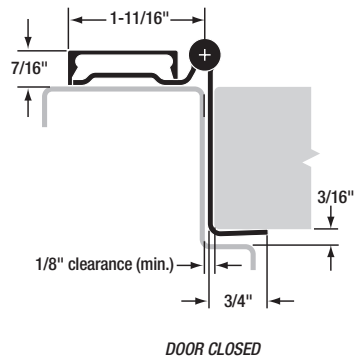


- Stainless steel
- Mounts on frame face and door edge
- Tamper-resistant frame leaf cover
- Edge guard
- For 1-3/4" doors weighing up to 600 lb.
- 48" maximum door width



SL306

SL306



MATERIAL: 14 gauge 304 stainless steel barrel with 3/16" diameter 304 stainless pin. Long-life nylon medical bearings.

LENGTHS: 79", 83", 85", 95" and 119" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY: For 1-3/4" doors, 48" wide (max.), weighing up to 400 lb. (medium-frequency) without frame or door reinforcement; up to 600 lb. (low-frequency) without frame or door reinforcement.

FINISH: US32D satin stainless steel (630).

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify hinge length. Screw pack contains 10-24 x 7/8" 410SS Phillips flathead undercut self-drilling Tek® screws, 10 x 1-1/4" 410SS Phillips flathead undercut sheet metal screws, 1/4-20 x 3/4" zinc plated Torx® panhead self-drilling Tek® screws, 8 x 3/4" zinc plated Phillips flathead undercut self-drilling Tek® screws and zinc plated cover clips.

AVAILABLE ELECTRIC PREPS: CTP-AR and CTP-VD.

BHMA CERTIFICATION: SL306 pin & barrel continuous hinges conform to BHMA Standard ANSI/ **BHMA** CERTIFIED BHMA A156.26-2006 Grade 1.

SL306 HINGE SCREW COUNT		
HINGE LENGTH	DOOR SCREWS	FRAME SCREWS
79"	18	13
83"	21	14
85"	18	14
95"	23	16
119"	27	20

SPECIFICATIONS

SL306 Half Mortise Pin & Barrel Hinge



SELECT Advantages



CORROSION-RESISTANT STAINLESS STEEL

Stainless steel pin & barrel design creates a tough, highly secure opening.



TEMPLATED HOLE PATTERN

SELECT hinges line up perfectly, precisely, every time. Makes installation easier and faster.



DUST-FREE (MEDICAL) BEARINGS

Prevent metal-to-metal contact and eliminate dust. *Exclusive standard (no upcharge) on all SELECT Pin & Barrel hinges.*



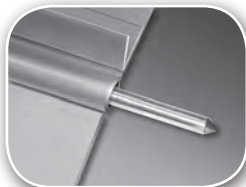
VARIETY OF FINISHES

Available in polished, brushed and painted finishes to match, contrast or accent your building's design.



3-HR. FIRE RATING

Fire-rated out of the package.
No extra parts to buy or install.
No liability worries.



STAINLESS STEEL PIN

Delivers high tensile strength by forming a strong, free-moving unit. Flexible and strong in abused openings.



END CAPS

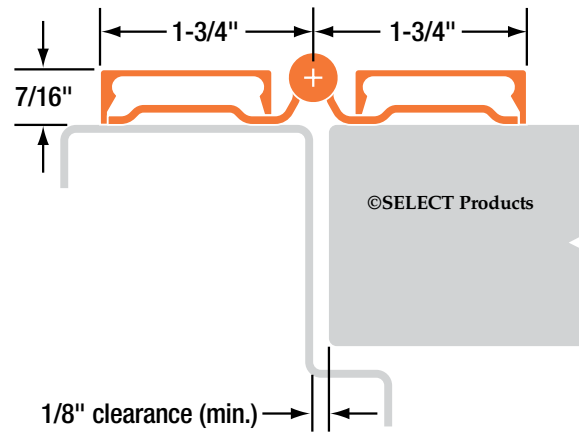
Spiral-knurled steel caps seal the barrel ends to contain hinge pin.

SELECT Hinge Performance

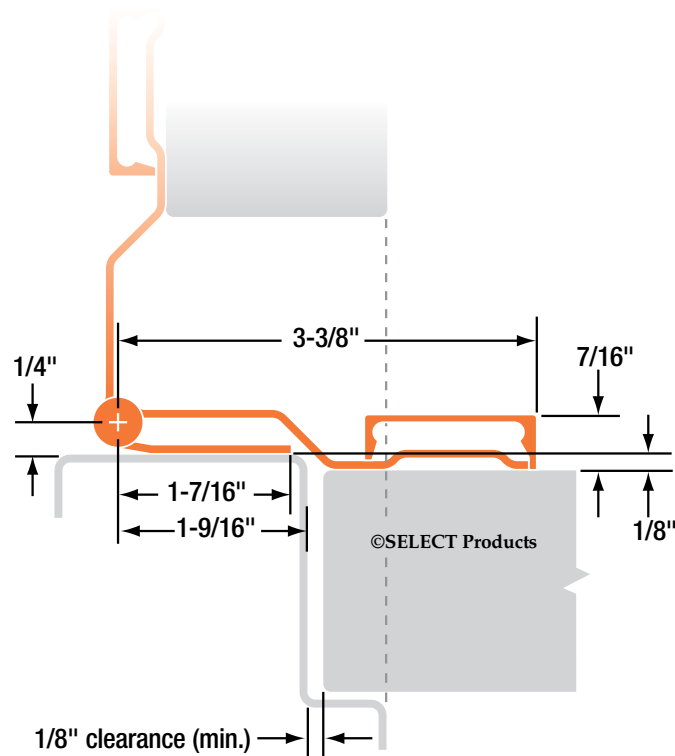
- SELECT pin & barrel continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
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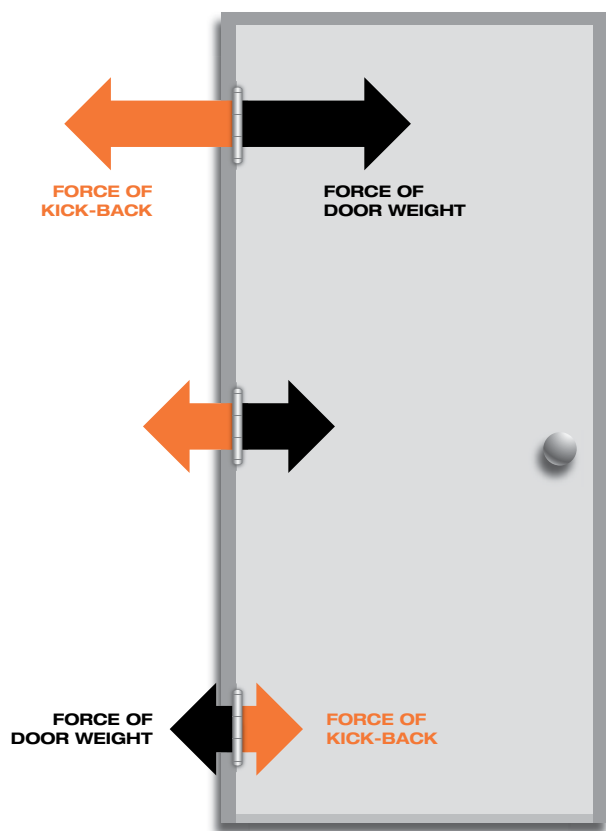
SL302



SL309

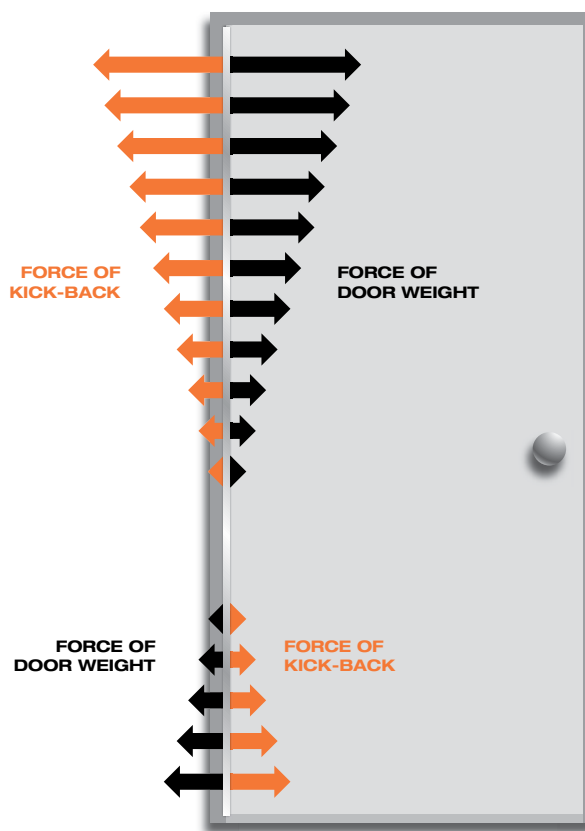


Full Surface Pin & Barrel Continuous Hinges



Conventional butt hinges

On conventional hinges, opening and "kickback" energy from closers and automatic operators concentrates on the top butt hinge. This force works against the top hinge, eventually forcing it apart or pulling it from the frame/door.



Continuous hinges

SELECT continuous hinges unite the door and frame into an integrated, sag-free unit. "Kickback" energy dissipates along the entire length of the door and frame and prevents hinge failure.

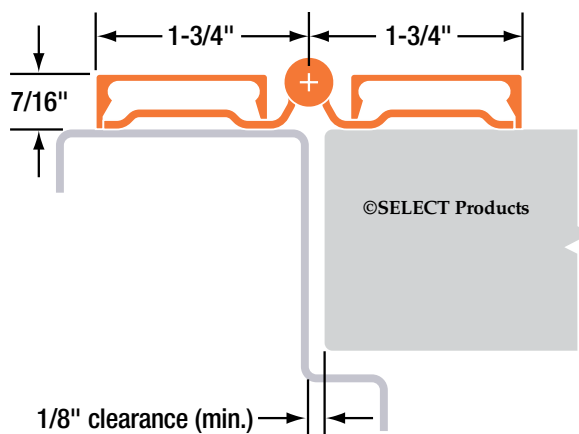


**SELECT
HINGES™**

SL302 **Full Surface Pin & Barrel Continuous Hinge**



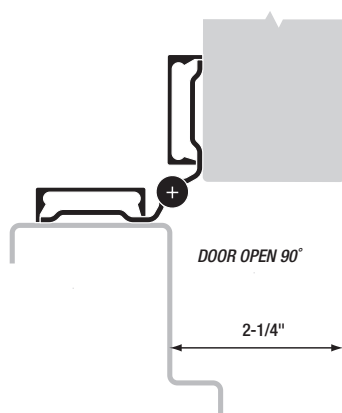
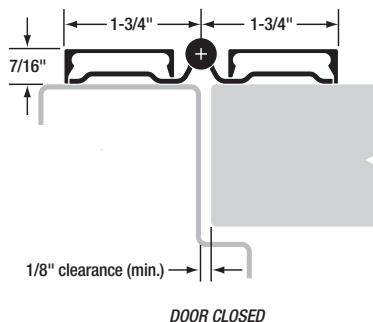
- Stainless steel
- Center pivot
- Tamper-resistant leaf covers
- Flush mounted (no door inset)
- For 1-3/4" doors weighing up to 600 lb.
- 48" maximum door width



SL302

SELECT HINGES™

NOTES:



MATERIAL: 14 gauge 304 stainless steel barrel with 3/16" diameter 304 stainless pin. Long-life nylon medical bearings.

LENGTHS: 79", 83", 85", 95" and 119" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY: For 1-3/4" doors, 48" wide (max.), weighing up to 400 pounds (medium-frequency) without frame or door reinforcement; up to 600 pounds (low-frequency) without frame or door reinforcement.

FINISH: US32D satin stainless steel (630).

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify hinge length. Screw pack contains 1/4-20 x 3/4" zinc plated Torx® panhead self-drilling Tek® screws, 8 x 3/4" zinc plated Phillips flathead undercut self-drilling Tek® screws and zinc plated cover clips.

BHMA CERTIFICATION: SL302 pin & barrel continuous hinges conform to BHMA Standard ANSI/ BHMA A156.26-2006 Grade 1.



SL302 HINGE SCREW COUNT

HINGE LENGTH	DOOR SCREWS	FRAME SCREWS
79"	13	13
83"	14	14
85"	14	14
95"	16	16
119"	20	20

SPECIFICATIONS

SL302 Full Surface Pin & Barrel Hinge



SELECT Advantages



CORROSION-RESISTANT STAINLESS STEEL

Stainless steel pin & barrel design creates a tough, highly secure opening.



TEMPLATED HOLE PATTERN

SELECT hinges line up perfectly, precisely, every time. Makes installation easier and faster.



DUST-FREE (MEDICAL) BEARINGS

Prevent metal-to-metal contact and eliminate dust. *Exclusive standard (no upcharge) on all SELECT Pin & Barrel hinges.*



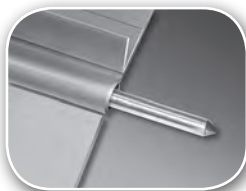
VARIETY OF FINISHES

Available in polished, brushed and painted finishes to match, contrast or accent your building's design.



3-HR. FIRE RATING

Fire-rated out of the package.
No extra parts to buy or install.
No liability worries.



STAINLESS STEEL PIN

Delivers high tensile strength by forming a strong, free-moving unit. Flexible and strong in abused openings.



END CAPS

Spiral-knurled steel caps seal the barrel ends to contain hinge pin.

SELECT Hinge Performance

- SELECT pin & barrel continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
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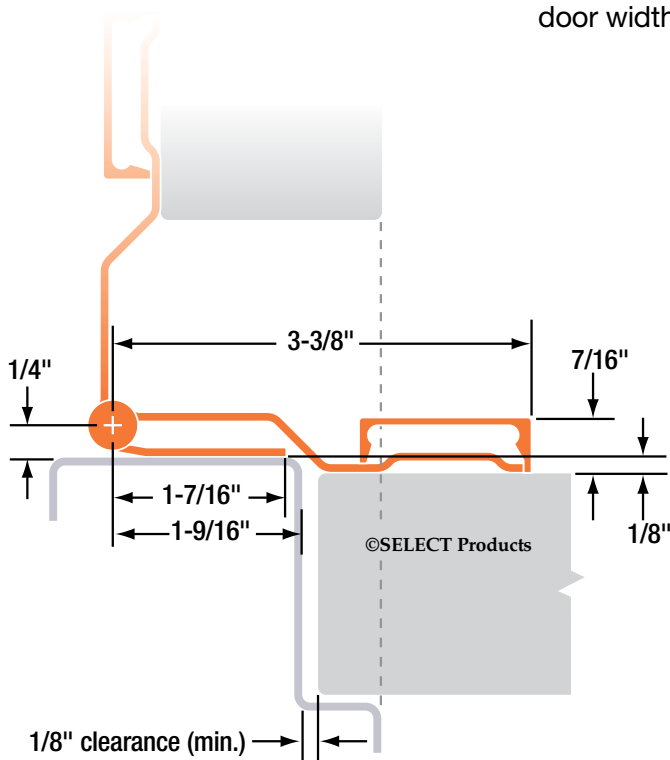


**SELECT
HINGES™**

SL309 **Full Surface Pin & Barrel Continuous Hinge**



- Stainless steel
- Swing-clear action
- Tamper-resistant door leaf cover
- 1/8" door inset
- For 1-3/4" doors weighing up to 600 lb.
- 48" maximum door width



SL309

SL309

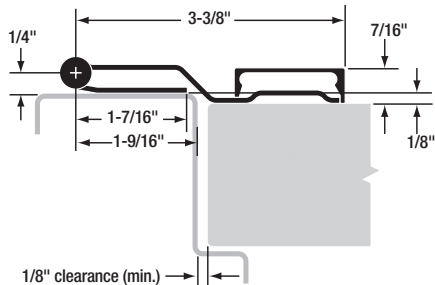
Full Surface Pin & Barrel Continuous Hinge



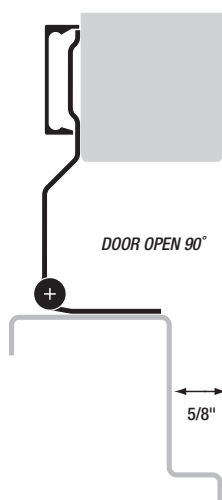
**SELECT
HINGES™**

SL309

NOTES:



DOOR CLOSED



DOOR OPEN 90°

MATERIAL: 14 gauge 304 stainless steel barrel with 3/16" diameter 304 stainless pin. Long-life nylon medical bearings.

LENGTHS: 79", 83", 85", 95" and 119" lengths standard for nominal door heights. Custom lengths are available.

LOAD/FREQUENCY: For 1-3/4" doors, 48" wide (max.), weighing up to 400 pounds (medium-frequency) without frame or door reinforcement; up to 600 pounds (low-frequency) without frame or door reinforcement.

FINISH: US32D satin stainless steel (630).

CLOSERS: Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

ORDER: Specify hinge length. Screw pack contains 10-24 x 7/8" 410SS Phillips flathead undercut self-drilling Tek® screws, 10 x 1-1/4" 410SS Phillips flathead undercut sheet metal screws, 1/4-20 x 3/4" zinc plated Torx® panhead self-drilling Tek® screws, 8 x 3/4" zinc plated Phillips flathead undercut self-drilling Tek® screws and zinc plated cover clips.

BHMA CERTIFICATION: SL309 pin & barrel continuous hinges conform to BHMA Standard ANSI/ **BHMA** BHMA A156.26-2006 Grade 1.

SL309 HINGE SCREW COUNT

HINGE LENGTH	DOOR SCREWS	FRAME SCREWS
79"	13	18
83"	14	21
85"	14	18
95"	16	23
119"	20	27

SPECIFICATIONS

SL309 Full Surface Pin & Barrel Hinge



SELECT Advantages



CORROSION-RESISTANT STAINLESS STEEL

Stainless steel pin & barrel design creates a tough, highly secure opening.



TEMPLATED HOLE PATTERN

SELECT hinges line up perfectly, precisely, every time. Makes installation easier and faster.



DUST-FREE (MEDICAL) BEARINGS

Prevent metal-to-metal contact and eliminate dust. *Exclusive standard (no upcharge) on all SELECT Pin & Barrel hinges.*



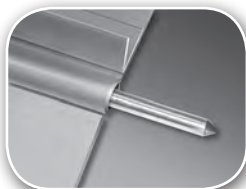
VARIETY OF FINISHES

Available in polished, brushed and painted finishes to match, contrast or accent your building's design.



3-HR. FIRE RATING

Fire-rated out of the package.
No extra parts to buy or install.
No liability worries.



STAINLESS STEEL PIN

Delivers high tensile strength by forming a strong, free-moving unit. Flexible and strong in abused openings.



END CAPS

Spiral-knurled steel caps seal the barrel ends to contain hinge pin.

SELECT Hinge Performance

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- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
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SL60/62



Geared

SL402TP



Pin & Barrel

SL902TP

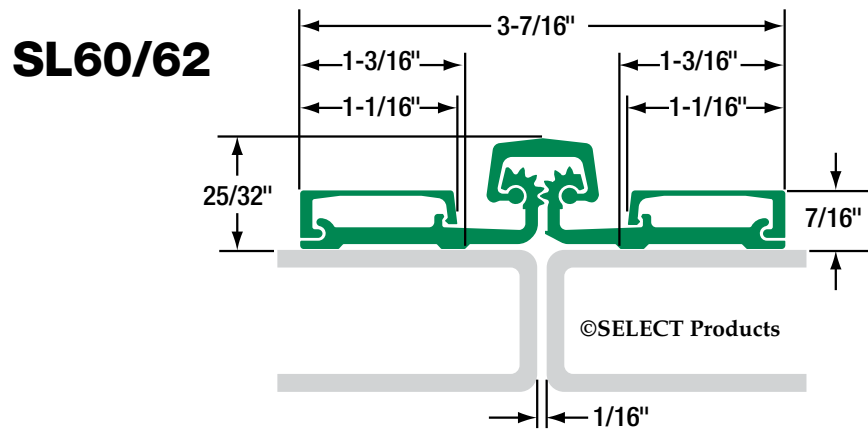


Toilet Partition Hinges

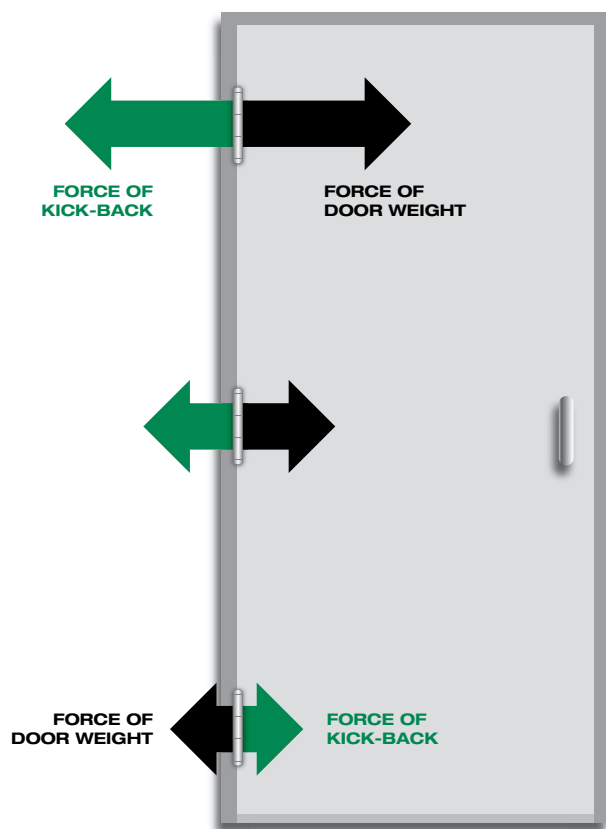


COMPARISON OF CONTINUOUS HINGE PRODUCT LINES

PART NUMBER INTERCHANGE - TOILET PARTITION HINGES							
SELECT	MARKAR	HAGER	PEMKO	MCKINNEY	STANLEY	ABH	IVES
SL60							
SL62							
SL402	FS-402-TP						
SL902	FS-902-TP						

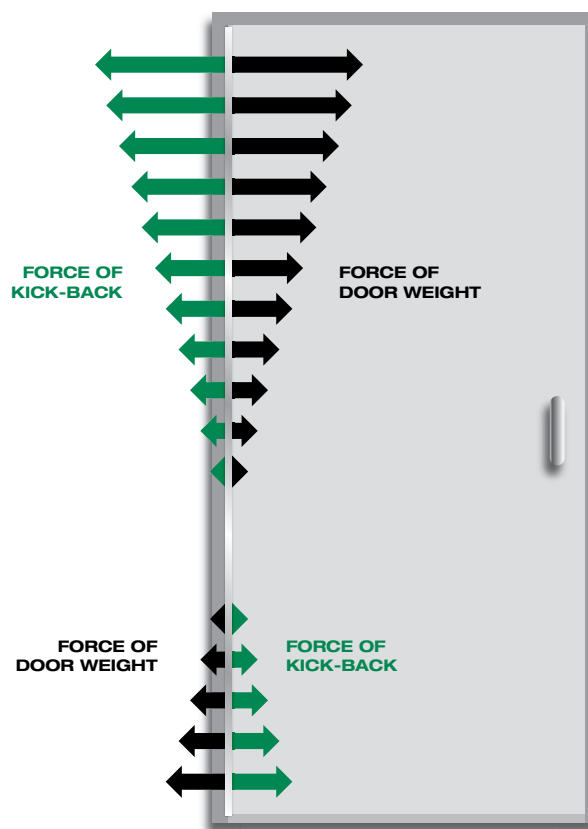


Geared Toilet Partition Hinges



Conventional butt hinges

On conventional hinges, opening and "kickback" energy from closers and automatic operators concentrates on the top butt hinge. This force works against the top hinge, eventually forcing it apart or pulling it from the frame/door.

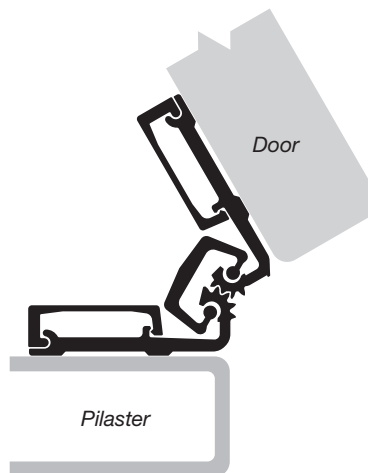
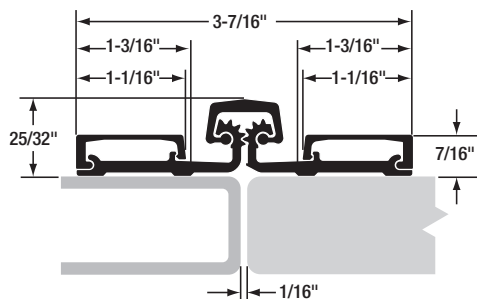


Continuous hinges

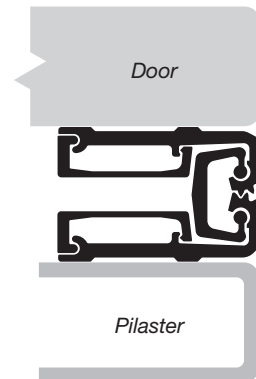
SELECT continuous hinges unite the door and frame into an integrated, sag-free unit. "Kickback" energy dissipates along the entire length of the door and frame and prevents hinge failure.

MODELS SL60 & SL62

SL60/62



SL62 opens 120°



SL60 opens 180°

Choice of standard or self-closing.
SL60 Standard Model opens 180°.
SL62 Self-Closing Model opens 120°.

Calculating Required Door Clearances

IMPORTANT: All standard length SELECT hinges are supplied slightly shorter than nominal door height to avoid threshold or flooring clearance problems.

IMPORTANT: SL60 and SL62 hinges are non-handed and templated, and remain non-handed after cutting.

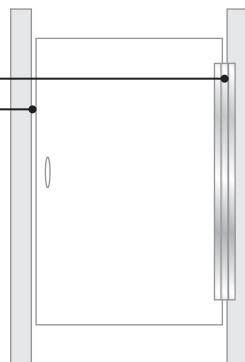
IMPORTANT: When installing Model SL62 Self-Closing Hinge, you must level or plumb the pilaster within + or - 1/8" to ensure complete door closure.

TOILET PARTITION DOOR:

Hinge side clearance 1/16" – 1/4"

Latch side clearance 1/16" – 3/8"

Total Width Clearance 1/8" – 5/8"



Important Warranty Information:

The following actions will void any warranty, expressed or implied:

- Failure to install the hinge according to manufacturer's specifications and requirements. (For more information, visit selecthingerequirements.com.)
- Use of fasteners other than those supplied with the hinge.
- Unauthorized field modifications, including alteration or removal of the factory-applied lubricant, altering the original finish or painting the hinge.

Tools Needed

- Metal-cutting saw
- Tape measure
- Drill
- 1/4" drill bit
- Transfer punch or pencil
- 5/64" Allen wrench
- Hammer
- Shims

Parts Supplied

- 10-24 x 5/8" one-way barrel nuts (sexnuts)
- Set screws

Optional Parts

- 10-24 one-way shoulder screws available for 3/4", 1" and 1-1/4" thick partitions
- Protective gloves are recommended

How to Cut the Hinge to Fit

- Keep hinge in "door closed" position (Fig. 1).
- Using a metal-cutting saw, begin the cut through the hinge cap first.

NOTE: DO NOT cut through a set screw bearing.

- Loosen set screws from sides of leaf covers with 5/64" Allen wrench (Fig. 1).
- Remove leaf covers by sliding them off uncut end of hinge.
- Reinstall any set screw bearing that may have been cut off.

A. Attach Hinge to Pilaster

NOTE: Remove leaf covers if not already removed. See step C above.

- Align hinge with door-side edge of pilaster or alignment line. If replacing pivots, center the hinge between pilaster's pivot cutouts.
- Locate top hole for the barrel nut in the pilaster. Keep hinge centered between pivot cutouts. Using a pencil or transfer punch, mark the hole.

NOTE: Hinge leaf should overlap pilaster by 1-1/2" to 1-5/8".

- Remove hinge. Using 1/4" bit, drill top hole in pilaster.
- Fasten hinge leaf to top of pilaster using a barrel nut and shoulder screw.

IMPORTANT: Do NOT fully tighten the one-way screw.

- Square hinge to the pilaster. Locate bottom hole on the pilaster. Mark (or centerpunch) hole.

Fig. 1 Hinge Installed - Door Closed Position

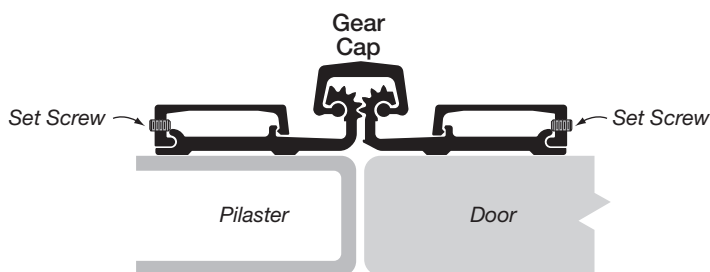
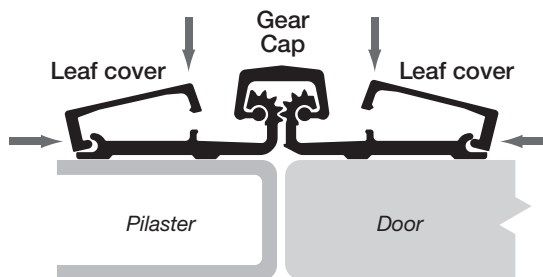


Fig. 2 Leaf Cover Installation



- Drill the hole using 1/4" bit.
- Fasten hinge leaf to bottom of the pilaster using a barrel nut and shoulder screw.

IMPORTANT: Do NOT fully tighten the one-way screws at this time. Do NOT drill remaining holes at this time.

B. Prepare Door

NOTE: If a door inset is required, use a continuous shim under the door leaf.

- Place door in opening. Adjust for 1/16" to 1/4" clearance between the hinge edge of the door and the pilaster. If replacing pivots, center the hinge between door's pivot cutouts.

NOTE: Hinge leaf should overlap the door by 1-1/2" to 1-5/8" to allow 1/16" to 3/8" clearance on the latch side.

- Locate top hole for the barrel nut in the door. Mark (or centerpunch) top hole.
- Remove door from opening and lay it flat. Use 1/4" bit to drill the hole.

C. Attach Door to Hinge

- Fasten the hinge door leaf to the top of the door using a barrel nut and shoulder screw.

IMPORTANT: Do NOT fully tighten the one-way screw at this time.

- Square the door to the opening. Then locate the bottom hole for the door hinge leaf. Mark (or centerpunch) the hole.

- Drill the hole using 1/4" drill bit.

- Fasten hinge door leaf to the bottom of the door using a barrel nut and shoulder screw. Door should be centered in the opening and square to the pilaster.

IMPORTANT: Do NOT fully tighten the one-way screws at this time.

- Check that the door and hinge are square and function properly. Use 1/4" bit to drill remaining holes through hinge into the pilaster and door.

- Install remaining barrel nuts and shoulder screws. Check door operation. If the door functions properly, fully tighten all screws.

D. Install Leaf Covers

- Align leaf cover with top end of hinge.
- Starting from the top and working downward, apply pressure to leaf cover to snap it into place (Fig. 2).

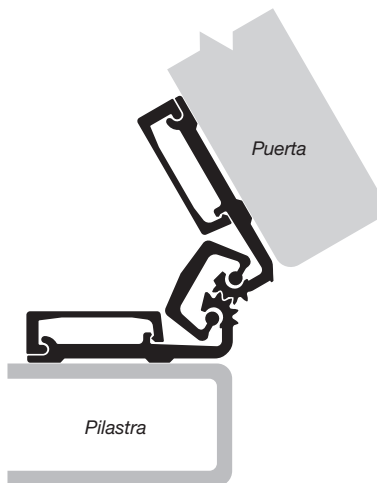
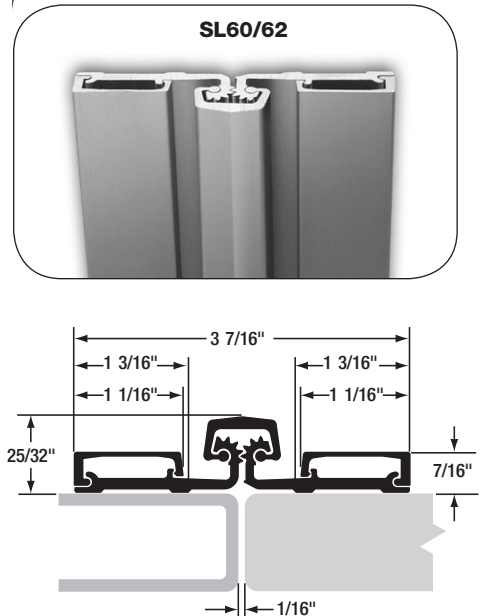
NOTE: If you use a hammer to tap cover into place, be sure to protect the surface of the cover from damage.

- Tighten set screws with 5/64" Allen wrench.

NOTE: The door and pilaster covers can be removed and reinstalled.

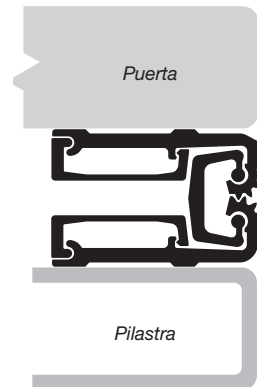
Charnelas continuas con engranajes para la pared divisoria del inodoro

MODELOS SL60 y SL62

SL60/62

SL62 se abre a 120°

Se puede elegir entre el modelo estándar o el modelo con cierre automático. El modelo SL60 estándar se abre a 180°.

El modelo SL62 con cierre automático se abre a 120°.


SL60 se abre a 180°

Cálculo de las tolerancias requeridas para la puerta

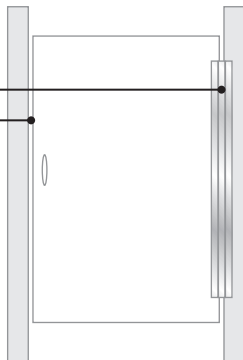
IMPORTANTE: Todas las charnelas SELECT de longitud estándar se suministran un poco más pequeñas que la altura nominal de la puerta, para evitar problemas de tolerancia en el umbral o el piso.

IMPORTANTE: Las charnelas SL60 y SL62 pueden usarse por diestros o zurdos y están templadas, permaneciendo con la opción de usarse ya sea con la mano derecha o la mano izquierda después del corte.

IMPORTANTE: Cuando instale el modelo de charnela de cierre automático SL62, debe nivelar o usar una plomada para la pilastra dentro de $\pm 1/8"$ para asegurar el cierre total de la puerta.

PUERTA DE LA PARED DIVISORIA DEL INODORO:

Tolerancia lateral de la charnela	1/16" — 1/4"
Tolerancia lateral del cerrojo	1/16" — 3/8"
Tolerancia de ancho total	1/8" — 5/8"



Información importante sobre la garantía:

Las siguientes acciones anularán cualquier garantía, expresa o implícita:

- El no instalar la bisagra según las especificaciones y los requisitos del fabricante. (Para obtener más información, visite selecthingerequirements.com.)
- Uso de sujetadores que no sean los que se suministran con la charnela.
- Modificaciones de campo no autorizadas, incluyendo la alteración o eliminación del lubricante aplicado de fábrica, alterar el acabado original o pintar la charnela.

Herramientas necesarias

- Sierra para cortar metal
- Cinta para medir
- Taladro
- Broca de 1/4"
- Punzón o lápiz de transferencia
- Llave Allen de 5/64"
- Martillo
- Cuñas

Piezas suministradas

- Tuercas cilíndricas unidireccionales N° 10-24 x 5/8"
- Tornillos de ajuste

Piezas opcionales

- Tornillos de tope unidireccionales N° 10-24 disponibles para paredes divisorias de 3/4", 1" y 1 1/4" de espesor
- Se recomienda el uso de guantes protectores

Cómo cortar la charnela al tamaño

- A. Mantenga la charnela en la posición de "puerta cerrada" (Fig. 1).
- B. Usando una sierra para cortar metal, comience a cortar primero por la tapa de la charnela.

NOTA: NO corte por el rodamiento del tornillo de ajuste.

- C. Afloje los tornillos de ajuste de los lados de las cubiertas de la hoja con una llave Allen de 5/64" (Fig. 1).
- D. Quite las cubiertas de la hoja deslizándolas por el extremo sin cortar de la charnela.
- E. Vuelva a instalar cualquier rodamiento de los tornillos de ajuste que pudiera haberse cortado.

A. Fije la charnela a la pilastra

NOTA: Retire las cubiertas de la hoja si no lo ha hecho todavía. Vea el paso C arriba.

1. Alinee la charnela con el borde lateral de la puerta de la pilastra o la línea de alineación. Si está reemplazando los pivotes, centre la charnela entre los recortes de pivote de la pilastra.
2. Ubique el orificio superior para la tuerca cilíndrica en la pilastra. Mantenga la charnela centrada entre los recortes de pivote. Usando un lápiz o un punzón, marque el orificio.

NOTA: La hoja de la charnela debe superponerse a la pilastra 1 1/2" a 1 5/8".

3. Quite la bisagra. Usando una broca de 1/4", taladre el orificio superior en la pilastra.
4. Sujete la hoja de la charnela a la parte superior de la pilastra usando una tuerca cilíndrica y un tornillo de tope.

IMPORTANTE: NO apriete el tornillo unidireccional por completo.

5. Ponga la charnela a escuadra con la pilastra. Ubique el orificio inferior en la pilastra. Marque (o punce) el orificio.
6. Taladre el orificio usando una broca de 1/4".

Fig. 1 Charnela instalada – Posición de puerta cerrada

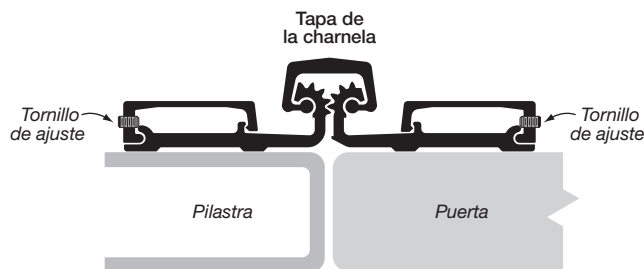
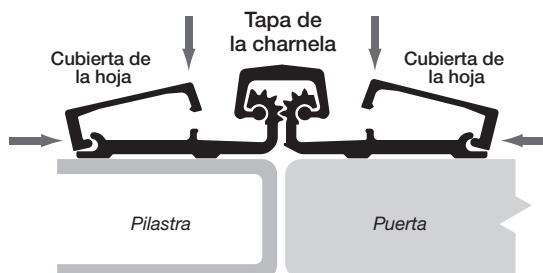


Fig. 2 Instalación de la cubierta de la hoja



7. Sujete la hoja de la charnela a la parte inferior de la pilastra usando una tuerca cilíndrica y un tornillo de tope.

IMPORTANTE: NO apriete por completo los tornillos unidireccionales en este momento. Aún NO taladre los orificios restantes.

B. Prepare la puerta

NOTA: Si se requiere tener holgura de puerta, use una cuña continua debajo de la hoja de la puerta.

8. Coloque la puerta en la abertura. Ajuste una tolerancia de 1/16" a 1/4" entre el borde de la charnela de la puerta y la pilastra. Si está reemplazando los pivotes, centre la charnela entre los recortes de pivote de la puerta.

NOTA: La hoja de la charnela debe superponer la puerta 1 1/2" a 1 5/8" para permitir una tolerancia de 1/16" a 3/8" en el lado del cerrojo.

9. Ubique el orificio superior para la tuerca cilíndrica en la puerta. Marque (o punce) el orificio superior.
10. Retire la puerta de la abertura y colóquela en posición horizontal. Use una broca de 1/4" para taladrar el orificio.

C. Fije la puerta a la charnela

11. Sujete la hoja de la puerta de la charnela a la parte superior de la puerta usando una tuerca cilíndrica y un tornillo de tope.

IMPORTANTE: NO apriete por completo el tornillo unidireccional en este momento.

12. Ponga a escuadra la puerta respecto a la abertura. Luego ubique el orificio inferior para la hoja de la charnela de la puerta. Marque (o punce) el orificio.
13. Taladre el orificio usando una broca de barrena de 1/4".

14. Sujete la hoja de la puerta de la charnela a la parte inferior de la puerta usando una tuerca cilíndrica y un tornillo de tope. La puerta debe estar centrada en la abertura y estar a escuadra con la pilastra.

IMPORTANTE: NO apriete por completo los tornillos unidireccionales en este momento.

15. Verifique que la puerta y la charnela estén a escuadra y funcionen adecuadamente. Use una broca de 1/4" para taladrar los orificios restantes, a través de la charnela, en la pilastra y la puerta.
16. Instale las tuercas cilíndricas y los tornillos de tope restantes. Revise el funcionamiento de la puerta. Si la puerta funciona adecuadamente, apriete bien todos los tornillos.

D. Instale las cubiertas de la hoja

17. Alinee la cubierta de la hoja con el extremo superior de la charnela.
18. Comenzando desde la parte superior y trabajando hacia abajo, aplique presión a la cubierta de la hoja para encajarla en su lugar (Fig. 2).

NOTA: Si usa un martillo para colocar la cubierta en su lugar, dé pequeños golpes asegurándose de proteger de daños la superficie de la cubierta.

19. Apriete los tornillos de ajuste con una llave Allen de 5/64".

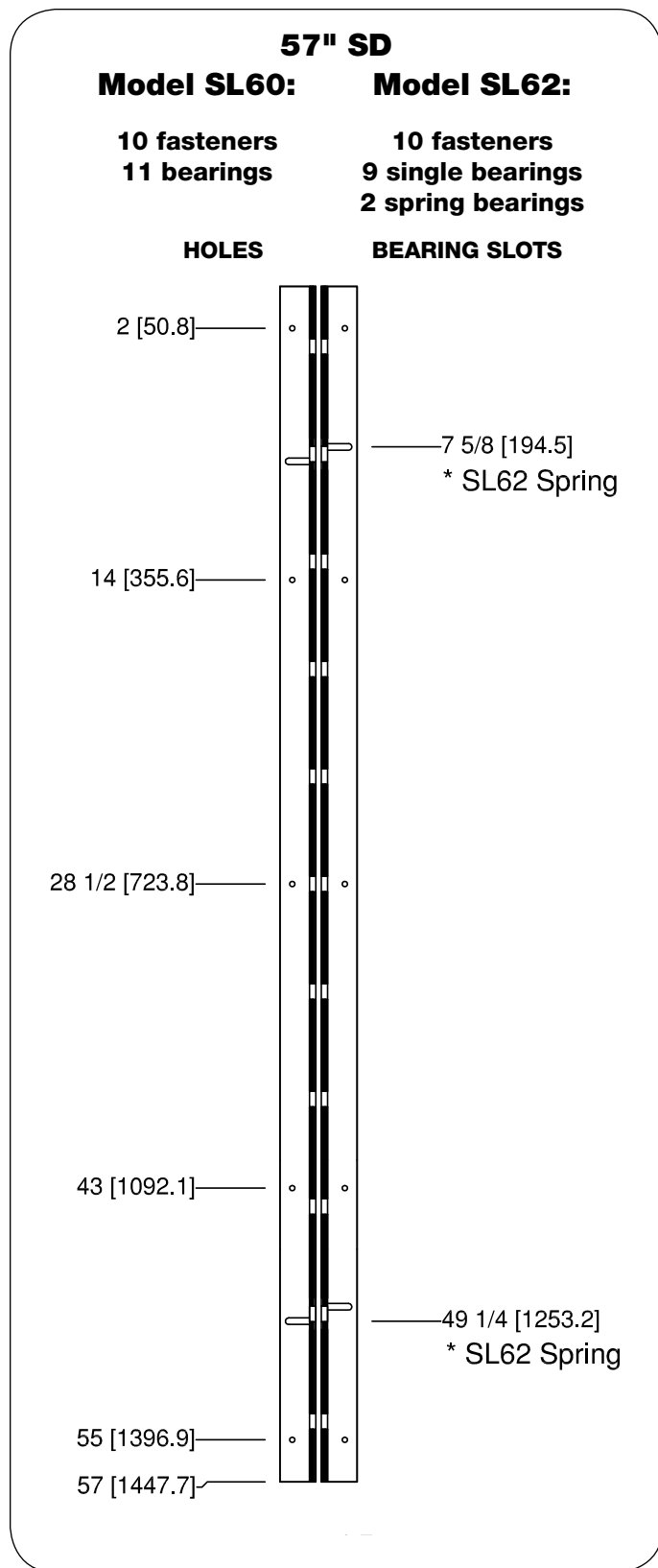
NOTA: La puerta y las cubiertas de la pilastra pueden quitarse y volverse a instalar.



**SELECT
HINGES™**

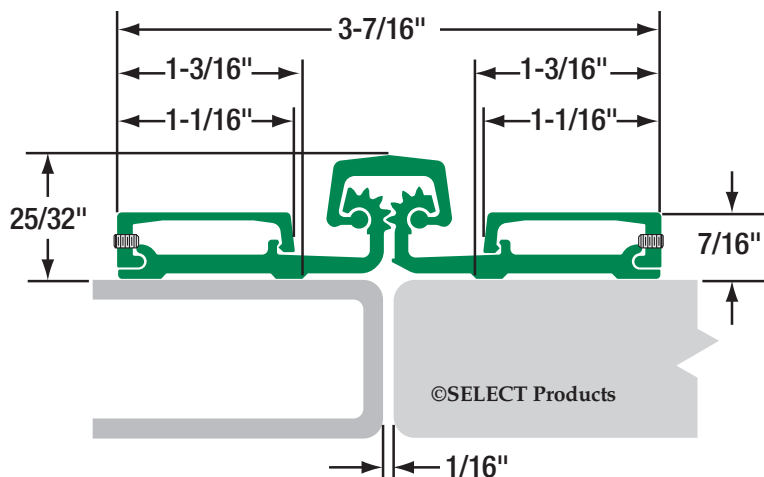
TEMPLATES Toilet Partition Geared Hinges

- All dimensions are measured in inches and [millimeters] from the top of the door to the centerline of the holes.
- Minimum hinge length for two spring bearings on SL62 = 43-1/2".





- Anodized aluminum
- SL60 opens 180°
- SL62 opens 120°, spring loaded
- One-way fasteners available for 3/4", 1" and 1-1/4" partitions
- For doors weighing up to 80 lb.
- 36" maximum door width



25 000 002

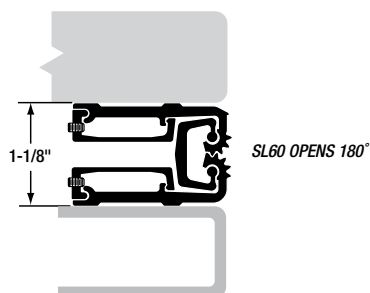
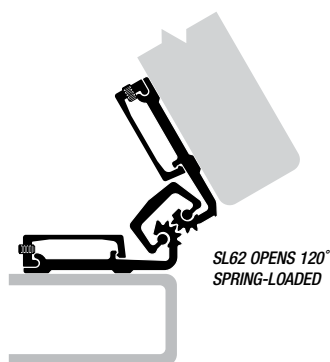
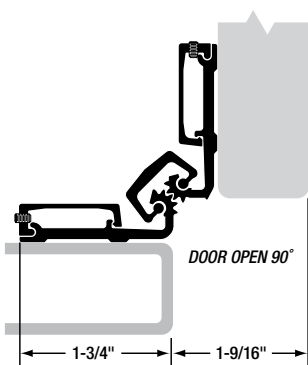
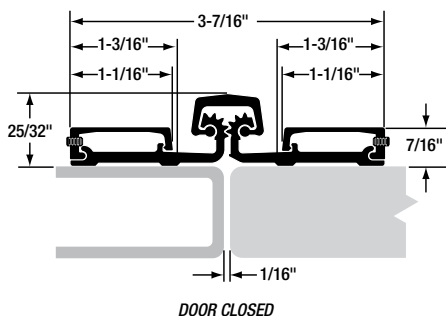
Reduce maintenance costs and hassles. Independent lab tests on an FRP door

Tested to last 60+ years
**CONTINUOUS
WARRANTY** TM

Because SELECT geared continuous hinges have proven themselves in independent testing, we offer the industry's only

Geared to ship in
48 HOURS™

SELECT ships hinges faster than anyone in the industry. 99.9% of our hinge orders ship in 48 hours; more than half are shipped in only 24 hours. Projects won't be delayed while waiting weeks for hinges.



MATERIAL: Extruded 6063 T6 aluminum alloy with self-lubricating polyester thrust bearings.

LENGTH: 57" length standard for nominal door heights. Custom lengths are available. SL62: 43-1/2" min.

LOAD/FREQUENCY: For high-frequency partition doors 36" wide (max.) weighing up to 80 pounds without frame or door reinforcement.

FINISHES: All SL60 and SL62 hinges are stocked in 204R1 Clear (.4-.7 mil) AA-M12C22A31 anodized aluminum. Custom anodized or painted finishes are available. Product painted or anodized in the field voids the SELECT hinge warranty.

ORDER: Specify SL60 or SL62. Also specify fasteners, which are for 3/4", 1" and 1-1/4" partitions. The SL60 and SL62 are supplied with one-way, slotted, chrome-finished 10-24 fasteners and a 5/64" hex key to install the door leaf and pilaster leaf covers.

SL60/SL62 HINGE SCREW COUNT

HINGE LENGTH	DOOR SCREWS	FRAME SCREWS
57"	5	5

SPECIFICATIONS

SL60/SL62 Toilet Partition Geared Hinge

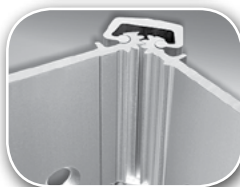


SELECT Advantages



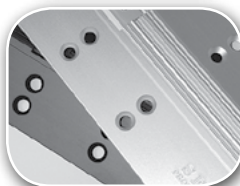
PAIR-MATCHED™ HINGE LEAVES

Manufactured together, machined together and anodized together, making SELECT hinges fit your doors better and last longer. *An exclusive SELECT benefit.*



LIFETIME LUBRICATION

Eliminates the need for periodic maintenance. Quiet performance. Fights gear cap wear. *An exclusive SELECT benefit.*



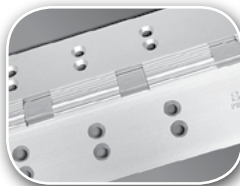
ANODIZED AFTER MACHINING

Delivers superior wear, durability and life. Inhibits corrosion. Few hinge makers follow SELECT's lead in using this superior manufacturing process.



MEETS LEED REQUIREMENTS

Made from recycled aluminum. Reduces environmental impact and qualifies for LEED points. *An exclusive SELECT benefit.*



CONSISTENT TEMPLATING

Hole pattern is identical on both Standard and Heavy Duty models, so SELECT hinges line up precisely for easier and faster installation. *An exclusive SELECT benefit.*



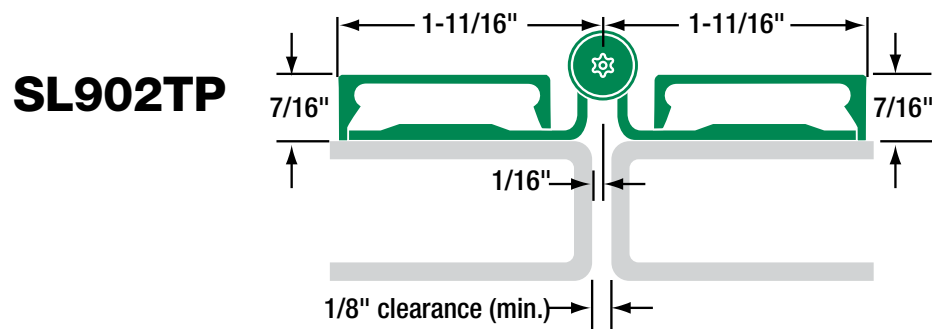
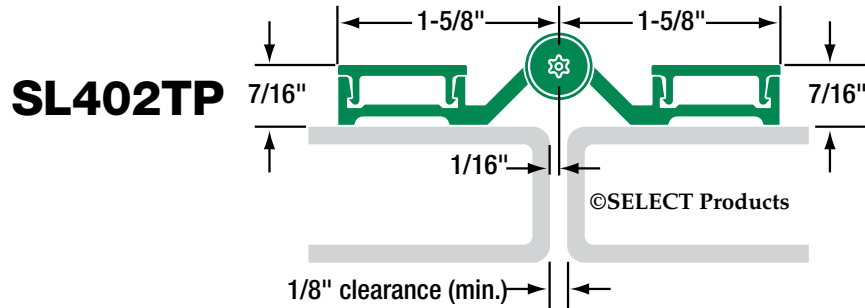
CUSTOM COLORS

Match any paint color on the gear cap or the entire hinge and fasteners, including our always-in-stock Bone White gear caps. Anodized colors also available.

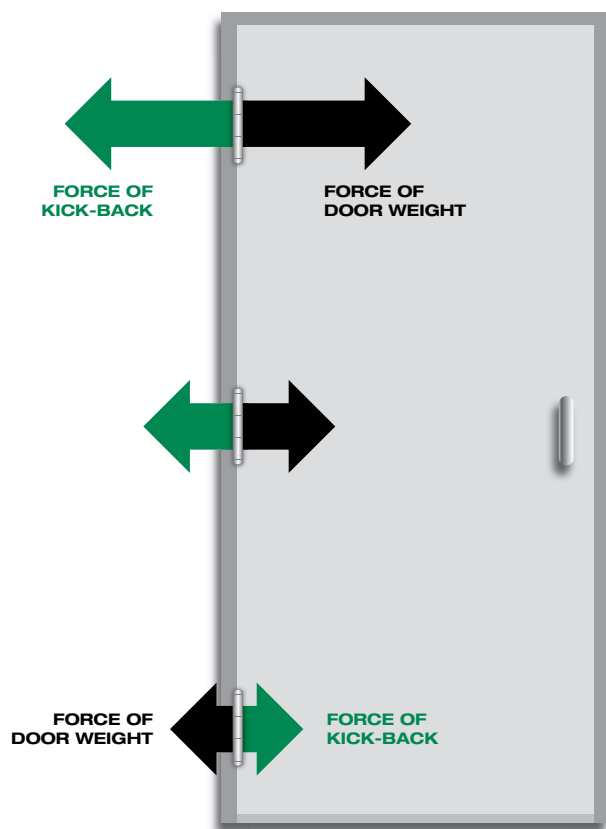
SELECT Hinge Performance

- A SELECT geared continuous hinge has been tested in accordance with ANSI 250.4-1994 test procedure and acceptance criteria for physical endurance for steel doors and hardware and has surpassed 25,000,000 cycles during testing by an independent laboratory. On a door cycling 400,000 times per year, a SELECT hinge will be performing for over 62 years.
- SELECT geared continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.
- The revolutionary SELECT geared continuous hinge puts an end to costly and irritating hinge failure problems, the most common cause of entrance failure.
- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2" to 5" at the top of the door and frame).
- SELECT geared continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier. When the door is closed, there are no accessible screws, bolts or pins.



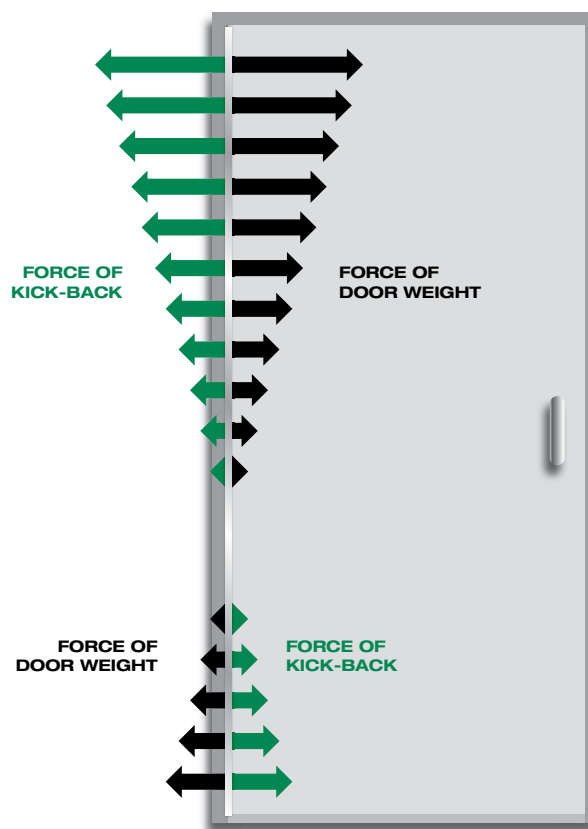


Pin & Barrel Toilet Partition Hinges



Conventional butt hinges

On conventional hinges, opening and "kickback" energy from closers and automatic operators concentrates on the top butt hinge. This force works against the top hinge, eventually forcing it apart or pulling it from the frame/door.



Continuous hinges

SELECT continuous hinges unite the door and frame into an integrated, sag-free unit. "Kickback" energy dissipates along the entire length of the door and frame and prevents hinge failure.



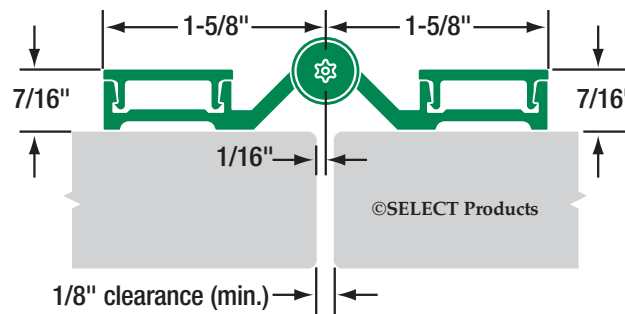
**SELECT
HINGES™**

Toilet Partition Pin & Barrel Continuous Hinge

SL402TP



- Anodized aluminum
- Removable roll pin for spring-loaded adjustment
- Tamper-resistant Torx® head end caps to adjust spring tension
- Safety-lift option
- One-way shoulder bolts option
- For doors weighing up to 80 lb.
- Consult factory for doors wider than 36"



SL402TP

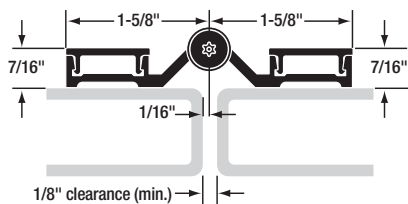
SL402TP

Toilet Partition Pin & Barrel Continuous Hinge

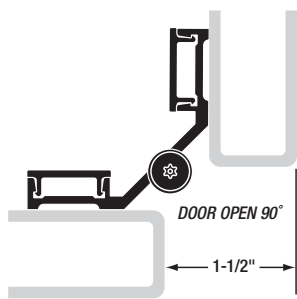


SL402TP

NOTES:



DOOR CLOSED



MATERIAL: 6463-T5 aluminum with 1/4" diameter 303 stainless steel self-closing pin assembly. Long-life split nylon bearings.

LENGTH: 54" length standard for nominal door heights. Special lengths available: 24" minimum, 72" maximum.

LOAD/FREQUENCY: For high-frequency partition doors 36" wide weighing up to 80 pounds without frame or door reinforcement. Consult factory for doors wider than 36".

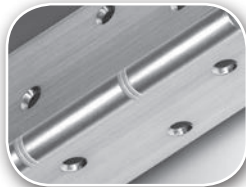
FINISH: Anodized aluminum.

ORDER: Specify if safety-lift feature is required. #14 x 3/4" Torx® button head sheet metal screws are provided as a standard pack. One-way shoulder bolts optional at extra cost.

SL402TP HINGE SCREW COUNT

HINGE LENGTH	DOOR SCREWS	FRAME SCREWS
54"	6	6

SELECT Advantages



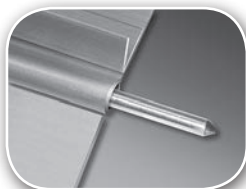
TEMPLATED HOLE PATTERN

SELECT hinges line up perfectly, precisely, every time. Makes installation easier and faster.



NYLON DOUBLE BEARINGS

Create a strong, free-moving assembly that allows closers and other door hardware to function properly.



STAINLESS STEEL PIN

Delivers high tensile strength by forming a strong, free-moving unit. Flexible and strong in abused openings.

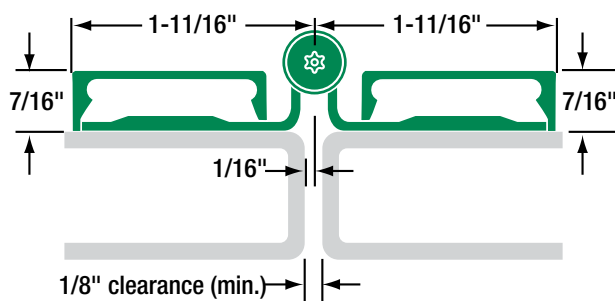


**SELECT
HINGES™**

SL902TP Toilet Partition Pin & Barrel Continuous Hinge



- Stainless steel
- Removable roll pin for spring-loaded adjustment
- Tamper-resistant Torx® head end caps to adjust spring tension
- For doors weighing up to 80 lb.
- Consult factory for doors wider than 36"



SL902TP

SL902TP

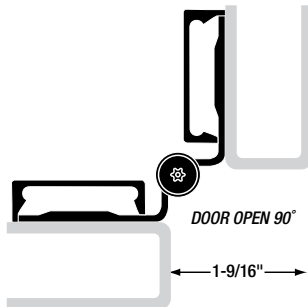
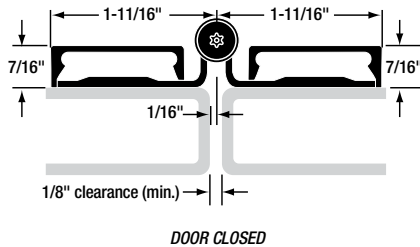
Toilet Partition Pin & Barrel Continuous Hinge



**SELECT
HINGES™**

SL902TP

NOTES:



MATERIAL: 14 gauge stainless steel with 1/4" diameter 303 stainless steel self-closing pin assembly. Long-life split nylon bearings.

LENGTHS: 54" and 57" lengths standard for nominal door heights. Special lengths available: 24" minimum, 72" maximum.

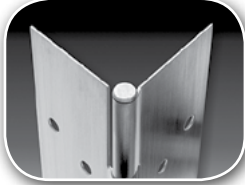
LOAD/FREQUENCY: For high-frequency partition doors 36" wide weighing up to 80 pounds without frame or door reinforcement. Consult factory for doors wider than 36".

FINISH: US32D Satin Stainless Steel (630).

ORDER: Specify hinge length. 1/4-20 x 3/4" panhead self-drilling screws are provided as a standard pack.

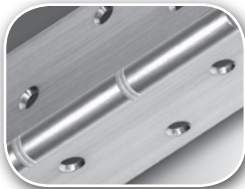
SL902TP HINGE SCREW COUNT		
HINGE LENGTH	DOOR SCREWS	FRAME SCREWS
54"	6	6
57"	6	6

SELECT Advantages



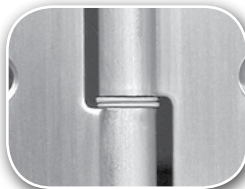
CORROSION-RESISTANT STAINLESS STEEL

Stainless steel pin & barrel design creates a tough, highly secure opening.



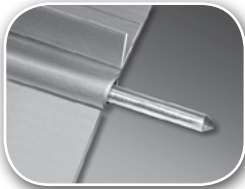
TEMPLATED HOLE PATTERN

SELECT hinges line up perfectly, precisely, every time. Makes installation easier and faster.



NYLON DOUBLE BEARINGS

Create a strong, free-moving assembly that allows closers and other door hardware to function properly.



STAINLESS STEEL PIN

Delivers high tensile strength by forming a strong, free-moving unit. Flexible and strong in abused openings.



END CAPS

Spiral-knurled steel caps seal the barrel ends to contain hinge pin.



ELECTRIC PREP MODIFICATIONS

ELECTRIC PREP MODIFICATIONS

ELECTRIC PREP MODIFICATIONS



ELECTRIC PREP MODIFICATIONS



ELECTRIC PREP MODIFICATIONS

Geared Continuous Hinges

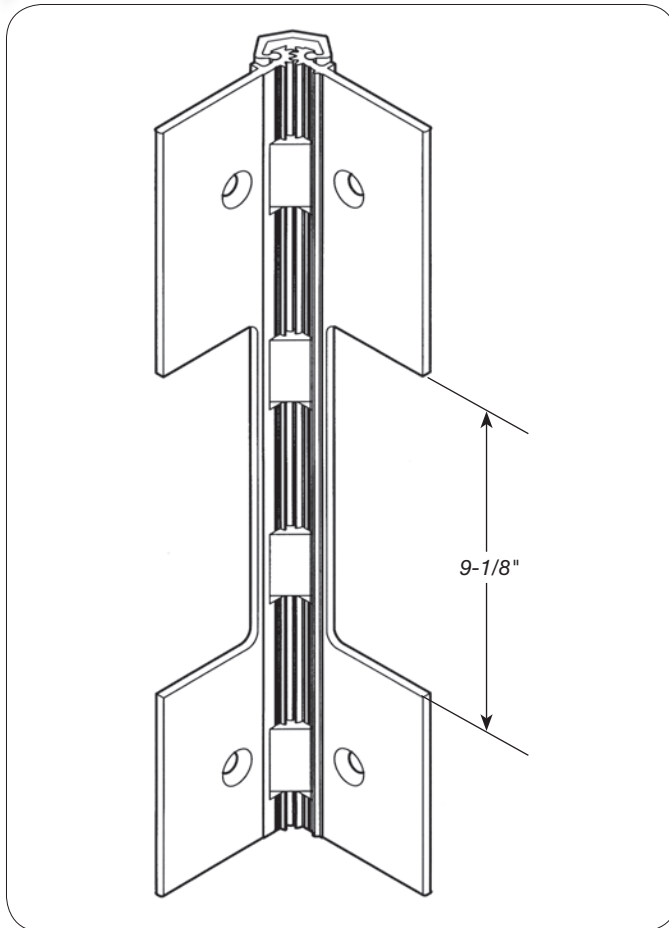
GEARED HINGE ELECTRIC PREPS

ELECTRIC PREP MODIFICATIONS

Geared Continuous Hinges



GEARED HINGE ELECTRIC PREPS



Cutout for Von Duprin EPT2, EPT10, PN1, CEPT, ABH PT 200 or ABH PT 1000

PREP: SELECT geared continuous hinges can be prepared for the Von Duprin EPT2 and EPT10 power transfer unit and the Von Duprin PNT1 pneumatic transfer unit; others available upon request (please see template on following page). Contact factory for quotes and availability on preparations for power transfer units.

LOCATION: Specify the dimension from the top of the hinge to the centerline of the cutout. (Cutout length is 9-1/8"; centerline of the cutout is 4-9/16" from the top edge of cutout.) Hinge is installed flush with the top of the door.

Refer to the templates in the Concealed or Half Surface Geared Hinge sections to avoid specifying a cutout location that cuts through fastener holes. These templates are also available online at www.select-hinges/app.

HANDING: Specify the handing of each door requiring the EPT. Handing not required on SL11 and SL27.

ORDER: Use suffix "VD-EPT" or "VD-PNT," plus the location and handing (if required).

Example: SL24 HD 83" Clear VD-EPT 41" from top of hinge to centerline, RH.

AVAILABILITY: Available on geared hinge models SL11, SL14, SL18, SL24, SL26, SL27, SL31, SL40, SL41, SL44, SL48, SL53 and SL54. For the SL40 and SL41, please consult factory for engineering approval.

LEAD TIME: 48 hours (on most orders).

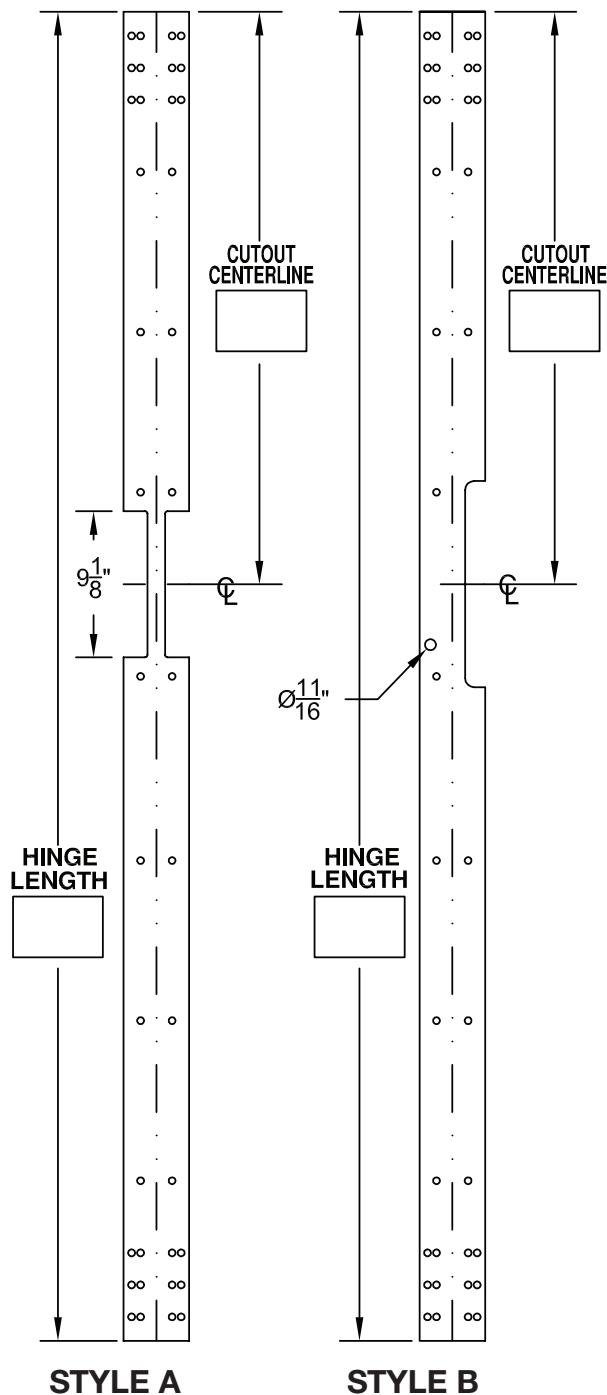
IMPORTANT: SELECT Products Limited does not recommend preparing door and frame for EPT before receipt of hinge. If door and frame must be prepared before receipt of hinge, contact factory for special template.

EPT/CPT Specification Template

Geared Hinge Electric Prep



SPECIFY DIMENSIONS IN BOXES:



HINGE MODEL:

POWER TRANSFER SELECTION:

STYLE A

- ☐ EPT 2
- ☐ EPT10
- ☐ PNTI
- ☐ CEPT
- ☐ ABH PT 200
- ☐ ABH PT 1000

STYLE B

- ☐ Adams Rite 4612-1
- ☐ Adams Rite 4612-2
- ☐ Dorma ES105
- ☐ Precision EPT-5
- ☐ PT105
- ☐ PT180
- ☐ PTR105
- ☐ PTR180
- ☐ SDC PT-5
- ☐ Securitron EPT
- ☐ Securitron EPTL
- ☐ Yale EPT
- ☐ Yale EPTL

CUTOUT SHAPE: (MATCH EPT MOUNTING FLANGE)



☐ Round end



☐ Square end

CUTOUT LOCATION:

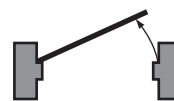
☐ Door leaf

☐ Frame leaf

HANDING: (FROM KEYED SIDE)



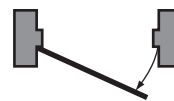
☐ Right hand



☐ Left hand



☐ Right hand reverse



☐ Left hand reverse

COMPANY:

APPROVED BY:

DATE:

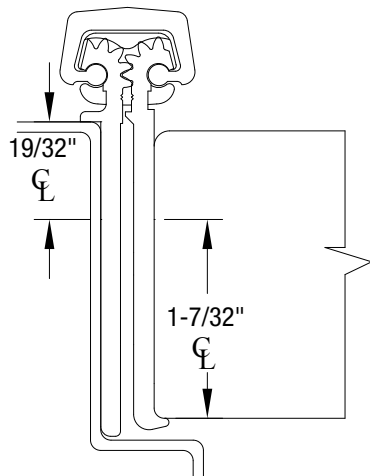
P.O. NUMBER:

Fill out and return this form to:

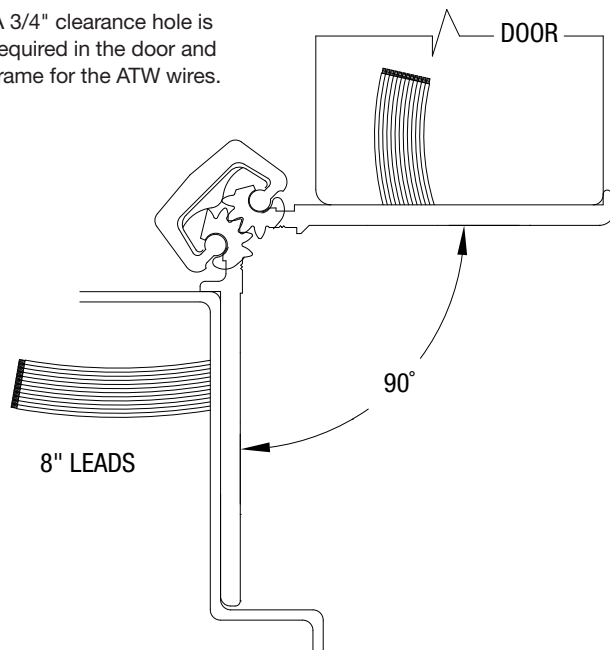
SELECT Products Limited

Fax: 800-423-7107

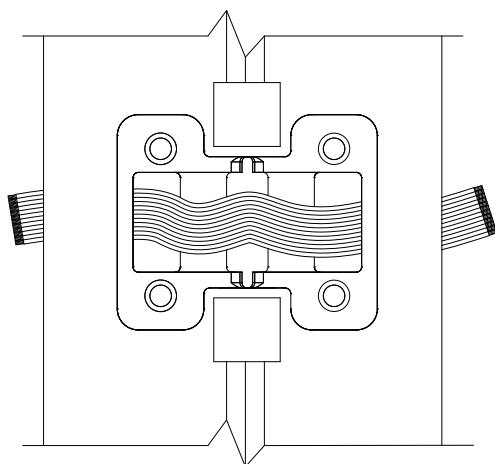
customerservice@select-hinges.com



A 3/4" clearance hole is required in the door and frame for the ATW wires.



8" LEADS



Shown without cover plates for clarity

PREP: SELECT geared continuous hinges can be prepared for accessible electric through-wires to provide continuous current. Through-wires available in sets of 4, 8 or 12.

Per conductor: 12V-24V AC/DC at 3-6 amps. Ultra-flexible 22 gauge wire with 8" leads per leaf. Molex® connectors included. Extra-long lead extensions (48" max.) available.

LOCATION: Specify the dimension from the top of the hinge to each ATW centerline. Hinge is installed flush with the top of the door.

Refer to the templates in the *Concealed Geared Hinge* section to choose from available ATW locations. These templates are also available online at www.select-hinges/app.

HANDING: Specify the handing of each door requiring the ATW. Handing not required on SL11 and SL27.

ORDER: Use suffix "ATW," plus the number of wires required. Specify location of each ATW and handing (if required).

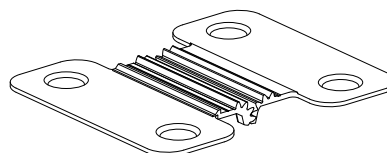
Example: SL24 HD 83" Clear ATW4 44-1/16" from top of hinge to centerline, RH.

AVAILABILITY: Available on models SL11, SL14, SL18, SL24, SL26, SL27, SL31, SL44 and SL48.

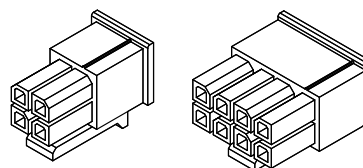
LEAD TIME: 48 Hours (on most orders).

WARRANTY: 6 years.

IMPORTANT: SELECT Products Limited does not recommend preparing door and frame for ATW before receipt of hinge. If door and frame must be prepared before receipt of hinge, contact factory for special template.

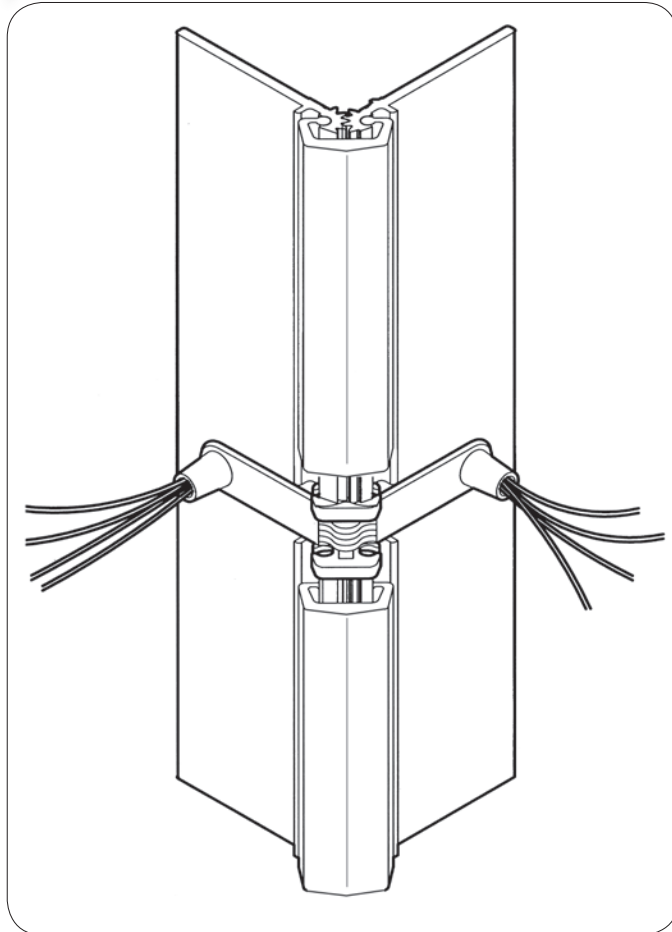


Cover plate assembly



4-pin and 8-pin connectors are supplied on the end of 8" leads.

CTW (Concealed Through-Wire) Geared Hinge Electric Prep



PREP: SELECT geared continuous hinges can be prepared for concealed electric through-wires to provide continuous current. Through-wires available in sets of 4, 5, 8 or 10 (12-wire sets available upon engineering approval). Per conductor: 12V-24V AC/DC at 3-6 amps. Ultra-flexible 22 gauge wire with 8" leads per leaf. Extra-long leads (48" max.) available.

NOTE: CTW4 and CTW5 preps require the replacement of one hinge bearing with a special bearing containing wires; CTW8 and CTW10 preps require the replacement of two bearings; CTW12 prep requires the replacement of three bearings.

LOCATION: Specify the dimension from the top of the hinge to each CTW bearing centerline. Hinge is installed flush with the top of the door.

Refer to the templates in the Concealed or Full Surface Geared Hinge sections to choose from available CTW bearing locations. These templates are also available online at www.select-hinges/app.

HANDING: Specify the handing of each door requiring the CTW. Handing not required on SL11 and SL27.

ORDER: Use suffix "CTW," plus the number of wires required. Specify location of each CTW bearing and handing (if required).

Example: SL24 HD 83" Clear CTW4 42-25/32" from top of hinge to centerline, RH.

AVAILABILITY: All CTW options available on heavy duty (HD and LL) models SL11, SL14, SL18, SL24, SL26 and SL27. Standard and heavy duty model SL57 and standard duty models SL11, SL14, SL18, SL24 available with 4- or 5-wire CTW only.

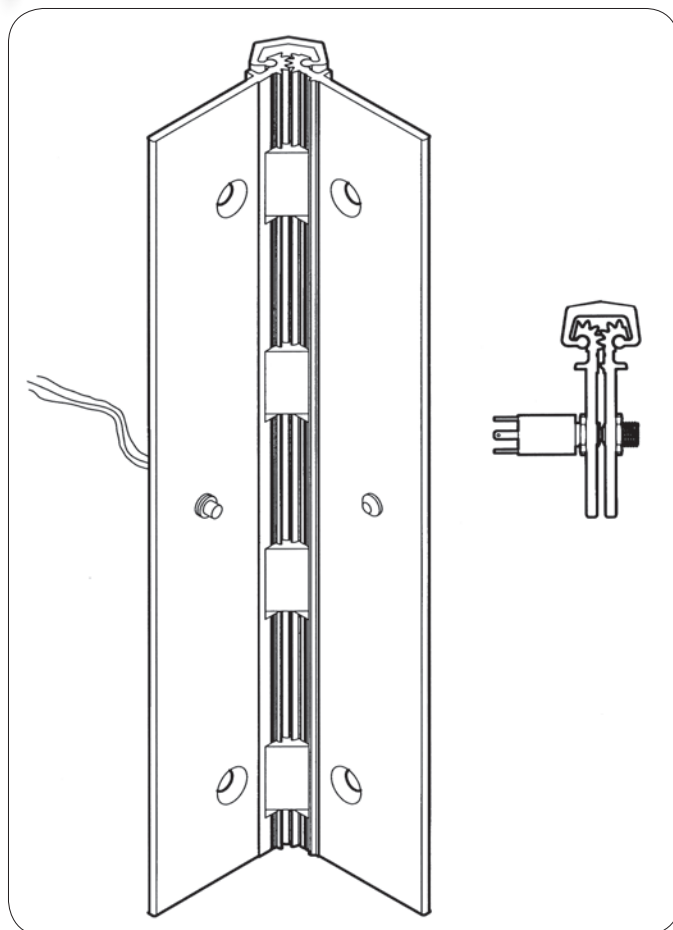
LEAD TIME: 48 Hours (on most orders).

WARRANTY: 5 years on electrical modification components.

IMPORTANT: SELECT Products Limited does not recommend preparing door and frame for CTW before receipt of hinge. If door and frame must be prepared before receipt of hinge, contact factory for special template.

CTW Prep

EMS (Exposed Electric Monitor Switch) Geared Hinge Electric Prep



PREP: SELECT geared continuous hinges can be prepared for an exposed electric monitor switch to provide non-continuous current. 120V AC at 250MA 30W maximum.

LOCATION: Specify the dimension from the top of the hinge to the centerline of the EMS. Avoid putting the EMS within one inch of a fastener hole. Hinge is installed flush with the top of the door.

Refer to the templates in the Concealed Geared Hinge section to choose appropriate EMS location. These templates are also available online at www.select-hinges/app.

HANDING: Specify the handing of each door requiring the EMS.

ORDER: Use suffix "EMS," plus the location and handing. Only one EMS is required per monitoring hinge.

Example: SL24 HD 83" Clear EMS 36" from top of hinge to centerline, RH.

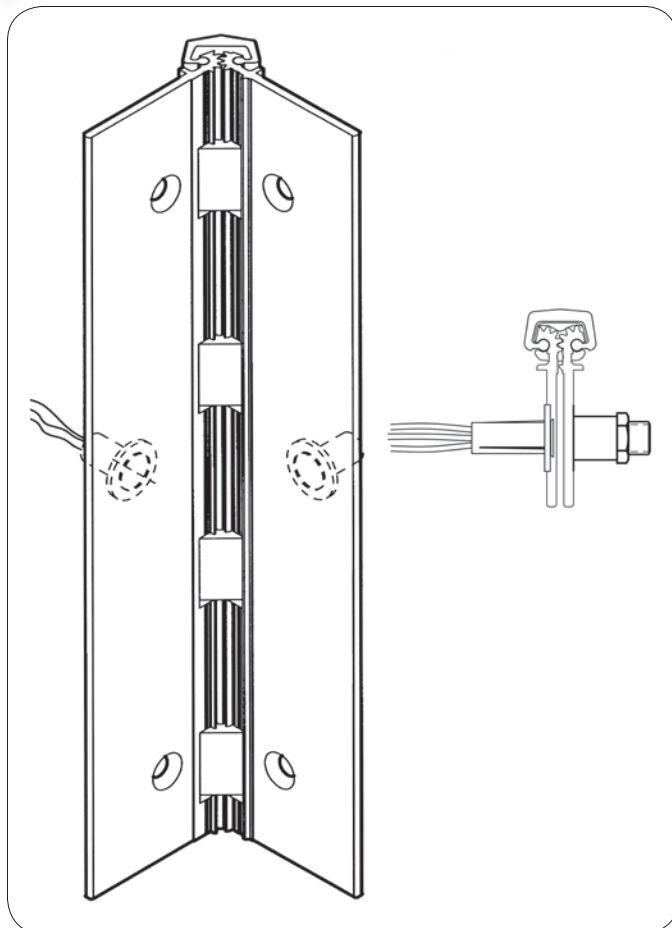
AVAILABILITY: Available on geared hinge models SL11, SL14, SL18, SL24, SL26, SL27, SL31, SL38, SL40, SL41, SL44 and SL48.

LEAD TIME: 48 hours (on most orders).

WARRANTY: 5 years on electrical modification components.

IMPORTANT: SELECT Products Limited does not recommend preparing door and frame for EMS before receipt of hinge. If door and frame must be prepared before receipt of hinge, contact factory for special template.

CMG (Concealed Adjustable Monitor Switch) Geared Hinge Electric Prep



PREP: SELECT geared continuous hinges can be prepared for a concealed adjustable magnetic monitor switch to provide non-continuous current. 22 gauge wire with 14" leads. 28V DC.

LOCATION: Specify the dimension from the top of the hinge to the centerline of the CMG. Avoid putting the CMG within one inch of a fastener hole. Hinge is installed flush with the top of the door.

Refer to the templates in the Concealed Geared Hinge section to choose appropriate CMG location. These templates are also available online at www.select-hinges/app.

HANDING: Specify the handing of each door requiring the CMG.

ORDER: Use suffix "CMG," plus the location and handing. Only one CMG is required per monitoring hinge.

Example: SL24 HD 83" Clear CMG 36" from top of hinge to centerline, RH.

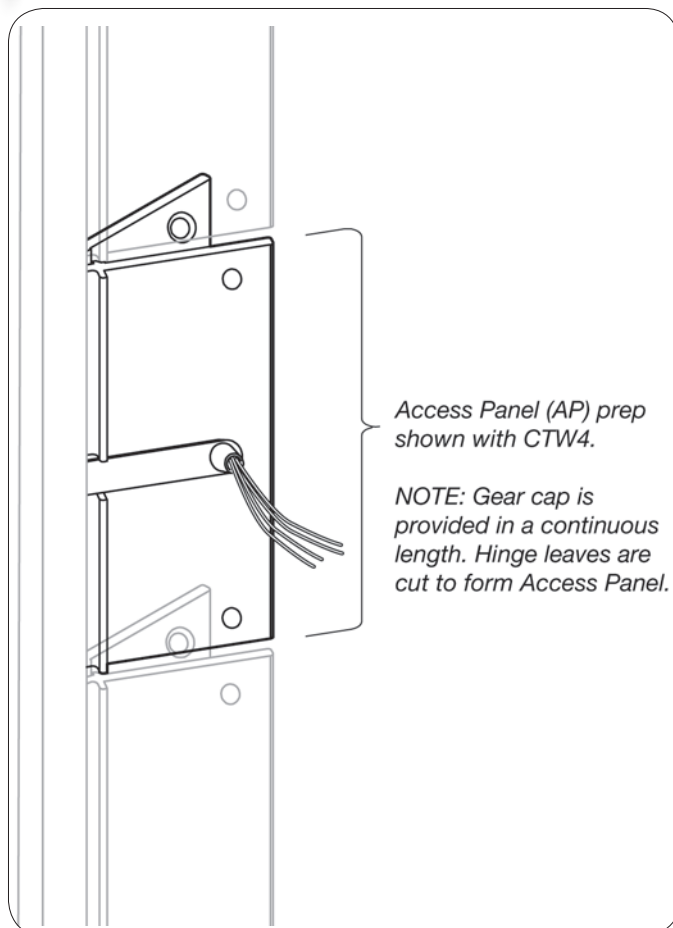
AVAILABILITY: Available on geared hinge models SL11, SL14, SL18, SL24, SL26, SL27, SL31, SL38, SL40, SL41, SL44 and SL48.

LEAD TIME: 48 hours (on most orders).

WARRANTY: 5 years on electrical modification components.

IMPORTANT: SELECT Products Limited does not recommend preparing door and frame for CMG before receipt of hinge. If door and frame must be prepared before receipt of hinge, contact factory for special template.

CMG Prep



PREP: SELECT geared continuous hinges can be prepared with hinge leaf panels to allow easy access to electrical components while preserving gear cap's appearance.

LOCATION: Dimensions will differ depending on the hinge model and electrical components requested. Hinges are installed flush with the top of the door.

A template requiring customer's approval will be designed by a SELECT engineer based on the customer's order.

HANDING: Specify the handing of each door requiring the AP.

ORDER: Use suffix "AP" after designating chosen electrical prep and its location(s). Specify handing.

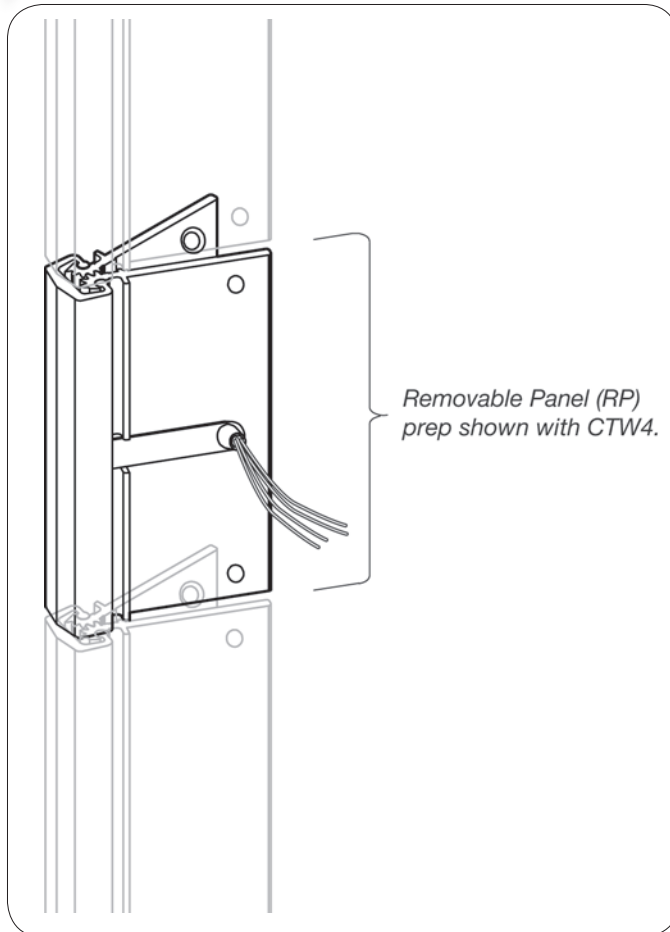
Example: SL24 HD 83" Clear CTW4 42-25/32" from top of hinge to centerline, AP, RH.

AVAILABILITY: Available on geared hinge models SL11, SL14, SL18, SL24, SL26, SL27, SL31, SL38, SL44 and SL48.

LEAD TIME: 48 hours (on most orders).

IMPORTANT: SELECT Products Limited does not recommend preparing door and frame for AP before receipt of hinge. If door and frame must be prepared before receipt of hinge, contact factory for special template.

RP (Removable Panel) Geared Hinge Electric Prep



PREP: SELECT geared continuous hinges can be prepared with removable hinge leaf panels to allow easy access and service of electrical components without removing the door.

LOCATION: Dimensions will differ depending on the hinge model and electrical components requested. Hinges are installed flush with the top of the door.

A template requiring customer's approval will be designed by a SELECT engineer based on the customer's order.

HANDING: Specify the handing of each door requiring the RP.

ORDER: Use suffix "RP" after designating chosen electrical prep and its location(s). Specify handing.

Example: SL24 HD 83" Clear CTW4 42-25/32" from top of hinge to centerline, RP, RH.

AVAILABILITY: Available on geared hinge models SL11, SL14, SL18, SL24, SL26, SL27, SL31, SL38, SL44 and SL48.

LEAD TIME: 48 hours (on most orders).

IMPORTANT: SELECT Products Limited does not recommend preparing door and frame for RP before receipt of hinge. If door and frame must be prepared before receipt of hinge, contact factory for special template.

RP Prep



**SELECT
HINGES®**

ELECTRIC PREP MODIFICATIONS

Pin & Barrel Continuous Hinges

PIN & BARREL HINGE ELECTRIC PREPS

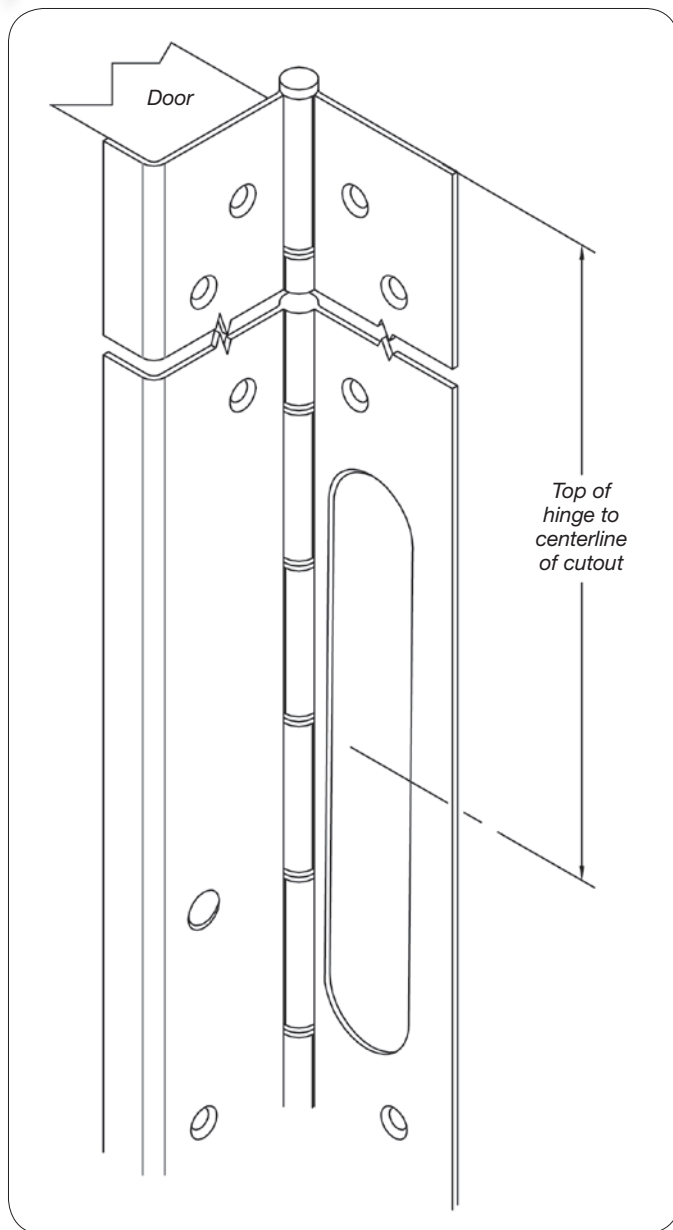
ELECTRIC PREP MODIFICATIONS

Pin & Barrel Continuous Hinges





CTP-AR (Current Transfer Prep-Adams Rite®) Pin & Barrel Hinge Electric Prep



PREP: SELECT pin & barrel continuous hinges can be prepared for Adams Rite 4612 power transfer unit.

LOCATION: Standard locations from top of hinge to centerline of CTP-AR are as follows:

79" hinge = 39-3/8"

83" hinge = 41-9/16"

85" hinge = 42-1/2"

95" hinge = 47-1/2"

For custom locations, specify centerline dimension from top of hinge. Hinge is installed flush with the top of the door.

For CTP-AR prep on a Concealed Pin & Barrel hinge, refer to the templates in the Concealed Pin & Barrel Hinge section. For CTP-AR prep on a Half Surface or Half Mortise Pin & Barrel hinge, please consult the factory. The Concealed Pin & Barrel hinge templates are also available online at www.select-hinges.com/app.

HANDING: Specify the handing of each door requiring the CTP-AR.

ORDER: Use suffix "CTP-AR," plus the location and handing.

Example: SL300 83" SS, CTP-AR 39-3/8" from top of hinge to centerline, LH.

AVAILABILITY: Available on pin & barrel hinge models SL200, SL300, SL303, SL305, SL306, SL315 and SL3500.

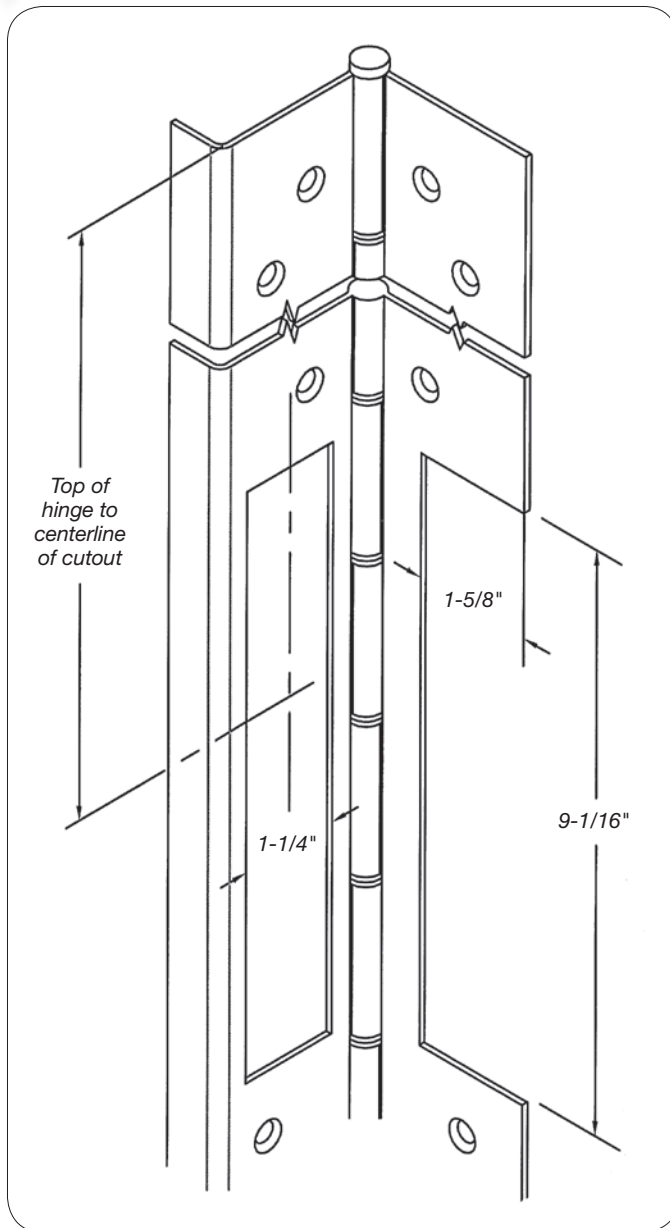
LEAD TIME: Contact your SELECT representative.

WARRANTY: 5 years on electrical components.

IMPORTANT: SELECT Products Limited does not recommend preparing door and frame for CTP-AR before receipt of hinge. If door and frame must be prepared before receipt of hinge, contact factory for special template.

CTP-AR Prep

CTP-VD (Current Transfer Prep-Von Duprin®) Pin & Barrel Hinge Electric Prep



PREP: SELECT pin & barrel continuous hinges can be prepared for Von Duprin power transfer unit.

LOCATION: Standard locations from top of hinge to centerline of CTP-VD are as follows:

79" hinge = 39-3/8"

83" hinge = 41-9/16"

85" hinge = 42-1/2"

95" hinge = 47-1/2"

For custom locations, specify centerline dimension from top of hinge. Hinge is installed flush with the top of the door.

For CTP-VD prep on a Concealed Pin & Barrel hinge, refer to the templates in the Concealed Pin & Barrel Hinge section. For CTP-VD prep on a Half Surface or Half Mortise Pin & Barrel hinge, please consult the factory. The Concealed Pin & Barrel hinge templates are also available online at www.select-hinges.com/app.

HANDING: Specify the handing of each door requiring the CTP-VD.

ORDER: Use suffix "CTP-VD," plus the location and handing.

Example: SL300 83" SS, CTP-VD 39-3/8" from top of hinge to centerline, LH.

AVAILABILITY: Available on pin & barrel hinge models SL200, SL300, SL303, SL305, SL306, SL315 and SL3500.

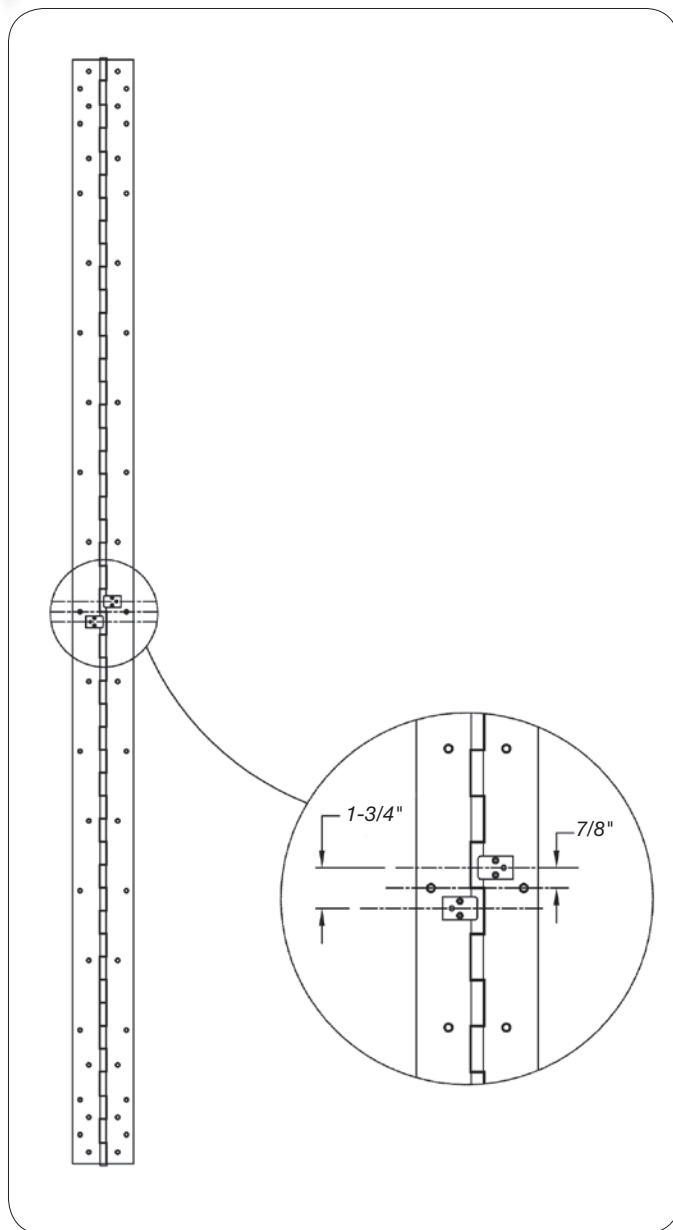
LEAD TIME: Contact your SELECT representative.

WARRANTY: 5 years on electrical components.

IMPORTANT: SELECT Products Limited does not recommend preparing door and frame for CTP-VD before receipt of hinge. If door and frame must be prepared before receipt of hinge, contact factory for special template.

CTP-VD Prep

EL (Concealed Current Transfer) Pin & Barrel Hinge Electric Prep



PREP: SELECT pin & barrel continuous hinges can be prepared for concealed electric through-wires to provide continuous current. 28 gauge through-wires with ElectroLYNX™ connectors available in sets of 4 (EL-4), 8 (EL-8) or 12 (EL-12).

LOCATION: Specify the dimension from the top of the hinge to the EL centerline. Hinge is installed flush with the top of the door.

Refer to the templates in the Concealed Pin & Barrel Hinge section to choose from available EL locations. These templates are also available online at www.select-hinges.com/app.

HANDING: Specify the handing of each door requiring the EL.

ORDER: Use suffix “EL-4”, “EL-8” or “EL-12” (depending on number of wires required). Specify location and handing. Only one location is required, whether 4, 8 or 12 wires.

Example: SL300 83" SS, EL-4 41-9/16" from top of hinge to centerline, LH.

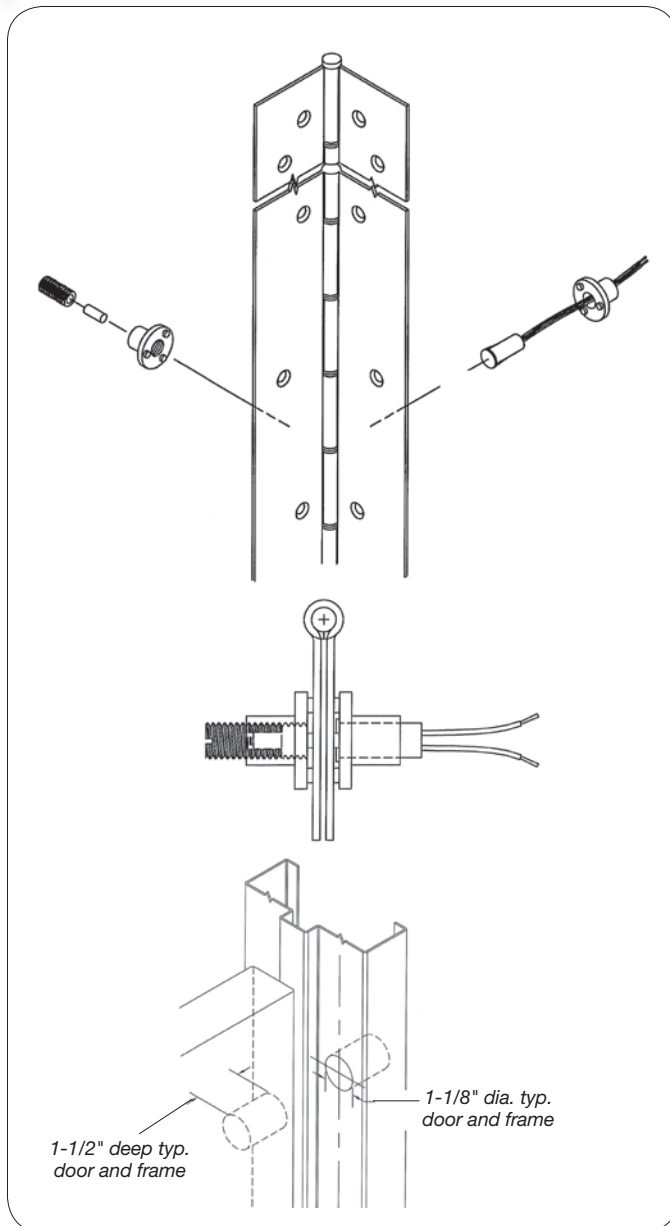
AVAILABILITY: Available on pin & barrel hinge models SL200, SL300, SL305, SL315 and SL3500. **NOT AVAILABLE** on raised barrel applications.

LEAD TIME: Contact your SELECT representative.

WARRANTY: 5 years on electrical components.

IMPORTANT: SELECT Products Limited does not recommend preparing door and frame for EL before receipt of hinge. If door and frame must be prepared before receipt of hinge, contact factory for special template.

AMS (Adjustable Concealed Monitor Switch) Pin & Barrel Hinge Electric Prep



PREP: SELECT pin & barrel continuous hinges can be prepared for the adjustable concealed monitor switch. Rigid welded assembly gives you the ability to adjust the AMS to work with all applications.

LOCATION: Standard locations from top of hinge to centerline of AMS are as follows:

79" hinge = 35-3/8"

83" hinge = 37-9/16"

85" hinge = 38-1/2"

95" hinge = 43-1/2"

For custom locations, specify centerline dimension from top of hinge. Hinge is installed flush with the top of the door.

Refer to the templates in the Concealed Pin & Barrel Hinge section. These templates are also available online at www.select-hinges.com/app.

HANDING: Specify the handing of each door requiring the AMS.

ORDER: Use suffix "AMS," plus the location and handing.

Example: SL300 83" SS, AMS 35-3/8" from top of hinge to centerline, LH.

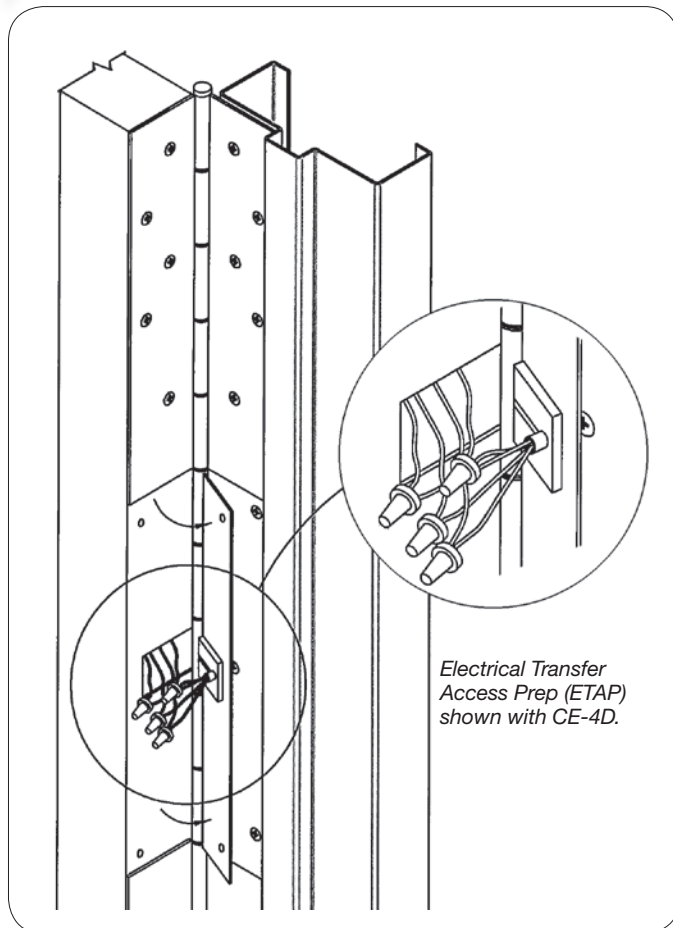
AVAILABILITY: Available on pin & barrel hinge models SL200, SL300, SL305, SL315 and SL3500. NOT AVAILABLE on powder coat finishes.

LEAD TIME: Contact your SELECT representative.

WARRANTY: 5 years on electrical components.

IMPORTANT: SELECT Products Limited does not recommend preparing door and frame for AMS before receipt of hinge. If door and frame must be prepared before receipt of hinge, contact factory for special template.

AMS Prep



*Electrical Transfer
Access Prep (ETAP)
shown with CE-4D.*

PREP: SELECT pin & barrel continuous hinges can be prepared with hinge leaf panels to allow access to electrical components.

LOCATION: Panel is approximately 16" in length. Dimensions will differ depending on the electrical components requested. Hinges are installed flush with the top of the door.

HANDING: Specify the handing of each door requiring the ETAP.

ORDER: Use suffix "ETAP" after designating chosen electrical prep and its location. Specify handing.

Example: SL300 83" SS, CE-4D 40-11/16" from top of hinge to centerline, ETAP, LH.

AVAILABILITY: Available on pin & barrel hinge models SL200, SL300, SL305, SL315 and SL3500.

LEAD TIME: Contact your SELECT representative.

WARRANTY: 5 years on electrical components.

IMPORTANT: SELECT Products Limited does not recommend preparing door and frame for ETAP before receipt of hinge. If door and frame must be prepared before receipt of hinge, contact factory for special template.

SL308



Edge Guard

Full Surface



Concealed

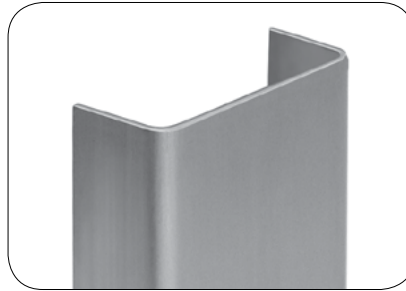


TIPIT® Hospital Tips
(patented design)

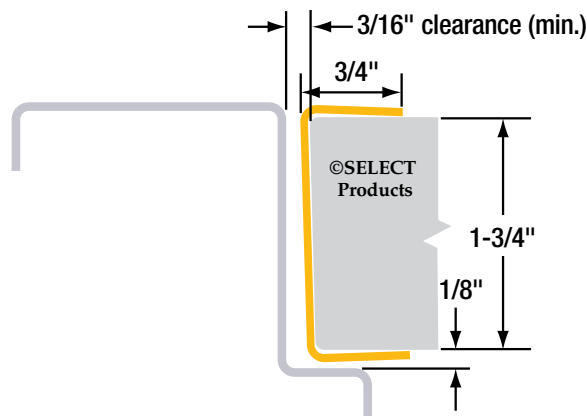
ACCESSORIES



ACCESSORIES



- Stainless steel
- Lock-side door edge protector
- Can reduce gap between pairs of doors
- Universal Adjusta-Screw™ fasteners (right-hand thread) available at extra cost
- Specify square or beveled door edge
- For 1-3/4" doors



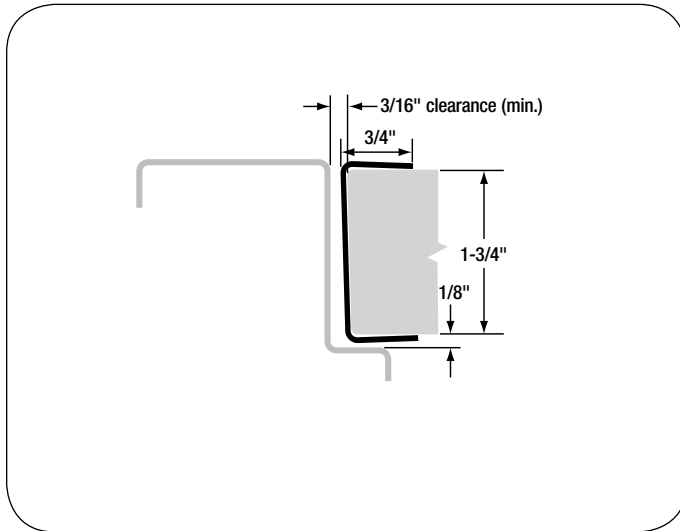
SL308

Continuous Edge Guard



NOTES:

SL308 Edge Guard
1-3/4" doors



MATERIAL: 16 gauge stainless steel.

LENGTHS: 79", 83", 85", 95" and 119" lengths standard for nominal door heights. Custom lengths are available.

FINISH: US32D satin stainless steel (630).

FASTENERS: #10 x 1-1/4" 304SS Phillips flathead undercut sheet metal screws are provided as a standard pack. Adjusta-Screw™ fasteners optional at extra cost.

ORDER: Specify edge guard length. Specify square or beveled door edge.

SL308 EDGE GUARD SCREW COUNT

HINGE LENGTH	DOOR SCREWS
79"	7
83"	8
85"	8
95"	9
119"	11

SELECT Advantages



CORROSION-RESISTANT STAINLESS STEEL

Stainless steel construction creates a tough, highly secure opening.



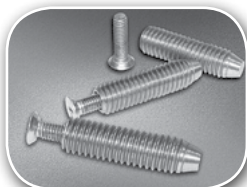
VARIETY OF FINISHES

Available in polished, brushed and painted finishes to match, contrast or accent your building's design.



3-HR. FIRE RATING

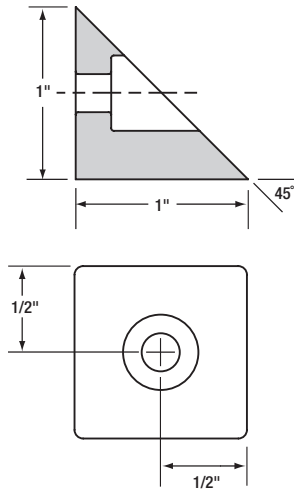
Fire-rated out of the package.
No extra parts to buy or install.
No liability worries.



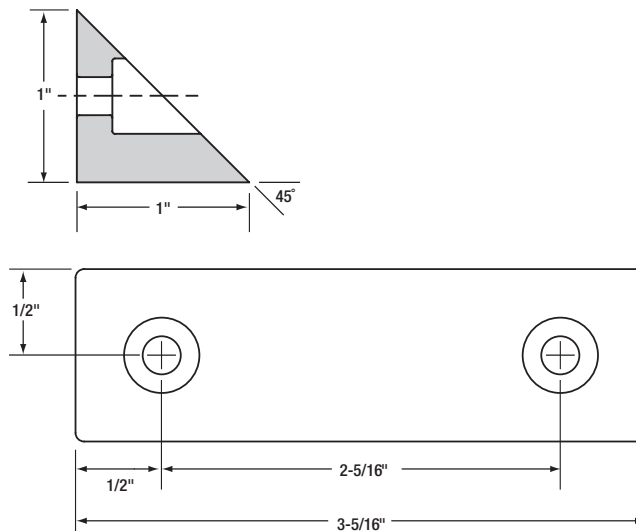
ADJUSTA-SCREW™ FASTENERS

Remedy out-of-square doors and frames easily. Correct fit variances up to 3/8" along full length of door. Available at extra cost.




TIPIT-C


- Patented design
- Prevents objects from being attached to top of hinge (ligature-resistant)
- Durable, high-tech polymer
- Securely fastens to door frame header
- Works for retrofit or new applications
- Fits most other brands of geared continuous hinges
- Includes #10 Torx® SST security screw(s)


TIPIT-L


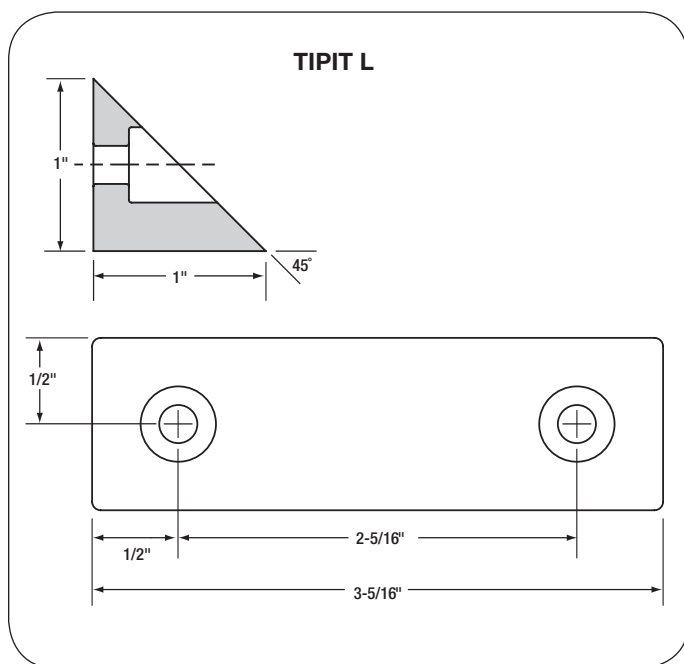
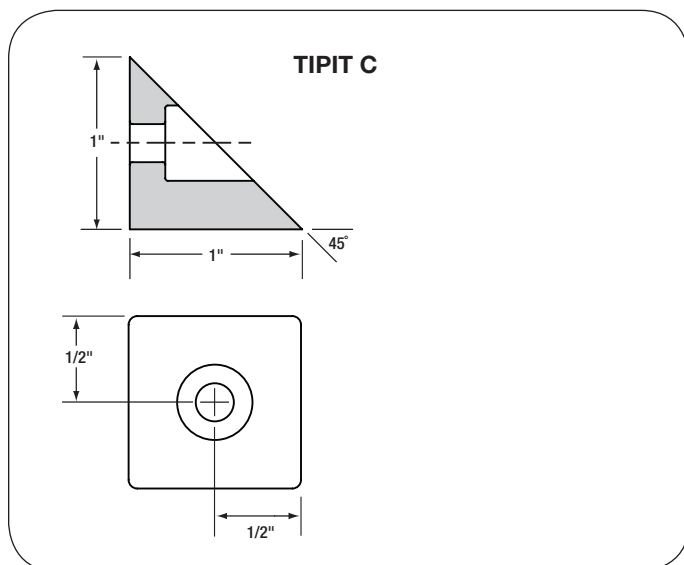
Ligature-Resistant Hospital Tip



For use in:

- Hospitals
- Correctional facilities
- Schools
- Other institutions

NOTES:



APPLICATION: Patented SELECT TIPIT® Hospital Tips work with a new or an existing continuous hinge to meet institutional requirements for preventing objects from being hung from the hinge (detering people from harming themselves).

INSTALLATION: SELECT TIPIT Hospital Tips are mounted on the surface of the frame, above continuous hinges.

MATERIAL: Durable, high-tech polymer.

SIZE: TIPIT C = 1" x 1" x 1". TIPIT L = 3-5/16" x 1" x 1".

COLOR: Gray (for use with clear anodized hinges) or Black (for use with dark bronze anodized hinges).

FASTENERS: Includes #10 Torx® SST security screw(s).

ORDER: If ordering only the TIPIT for a hinge already in the field, simply specify TIPIT C or TIPIT L, then the color. If ordering the TIPIT with a hinge, specify the full description of the hinge first, TIPIT C or TIPIT L as a suffix, then the color. Then specify TIPIT PREP as another suffix if necessary. See details below.

■ Specify TIPIT C for use with the SL11, SL14, SL18, SL24, SL26, SL27, SL31, SL38, SL44, SL48 and most brands of concealed continuous geared hinges (excluding the SL71 and other safety-type concealed hinges). Includes small TIPIT and (1) #10 Torx® security screw.

■ Specify TIPIT L for use with the SL21, SL41, SL53, SL54, SL57, SL71 and most brands of full surface, half surface, swing clear and concealed safety hinges. Includes large TIPIT and (4) #10 Torx® security screws.

■ Hinge preparation for use of TIPIT L with SL21, SL53, SL54 and SL57 hinges: Specify TIPIT PREP for factory preparation of door leaf covers for field installation of TIPIT L.

NOTE: Order TIPIT L separately.

NOTE: Not necessary for SL41 swing clear or SL71 safety hinges.

TIPIT® SCREW COUNT	
TIPIT L	TIPIT C
4	1

SPECIFICATIONS

TIPIT® Ligature-Resistant Hospital Tip



Use for existing entrances or on new geared hinges

Make rooms safer and meet legal requirements by retrofitting doors with the patented SELECT TIPIT® hospital tip. Deters patients or inmates from harming themselves by hanging objects from the hinge.

For use in:

- Hospitals
- Correctional facilities
- Schools
- Other institutions

The SELECT TIPIT hospital tip works with our geared hinges (excluding SL40, SL60 and SL62) to meet institutional requirements for preventing objects from being hung from the hinge.

Order the SELECT TIPIT hospital tip with any new SELECT geared hinge (excluding SL40, SL60 and SL62). Fits most other brands of full surface, half surface, concealed or swing clear geared continuous hinges (new or retrofit applications).

- Prevents objects from being attached to top of hinge (ligature-resistant)
- Made from durable, high-tech polymer
- Securely fastens to door frame header
- Works for retrofit or new applications
- Fits most other brands of geared continuous hinges
- Includes #10 Torx® SST security screw(s)



Dark bronze anodized full surface hinge with black TIPIT



Dark bronze anodized concealed hinge with black TIPIT



Clear anodized full surface hinge with gray TIPIT



Clear anodized concealed hinge with gray TIPIT



9770 Shaver Road | Portage, MI 49024 | Ph: 800-423-1174 | Fax: 800-423-7107 | www.select-hinges.com