



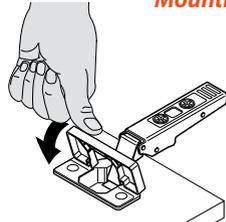
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CLIP top & CLIP top BLUMOTION

PRODUCT FEATURES:

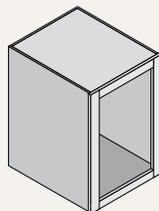
All hinge and plate applications have 3D adjustment • Face Frame and Frameless applications • Full & partial overlay and inset applications
Integrated BLUMOTION or add on BLUMOTION • Meets ANSI/BHMA A156.9-2001 • Limited Lifetime Warranty on all Hinges

What Do You Need To Know To Choose A Hinge?



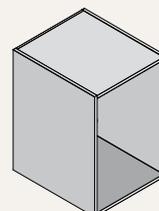
1. What Is Your Cabinet Construction?

Face Frame



Industry Standard Frame Size:
3/4" thick x 1-1/2" wide
but the Hinge Program will work with a range of Frame Thickness' & Widths

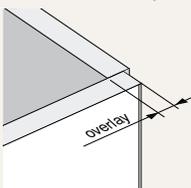
Frameless/Panel



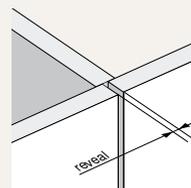
Industry Standard Side Panel Thickness:
5/8" (16mm) thick or 3/4" (19mm) thick
but each hinge will work with a range of side panel thicknesses

2. What Is Your Application?

Full Overlay

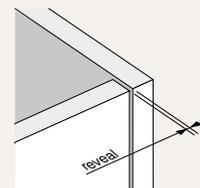


Partial/Twin Overlay



For Single or Double Doors

Inset



3. What Is Your Degree of Opening?

95°



- CLIP top
- CLIP top BLUMOTION
- Mini Hinge
- Glass Door Hinge
- Blind Corner

100°



- Basic Economy CLIP Hinge

110°



- CLIP top
- CLIP top BLUMOTION

125°



- Zero protrusion with specialty application options

155°



- Zero protrusion with specialty application options

170°



- CLIP top
- BLUMOTION Accessory Option

60°



- Bi-Fold door hinge with BLUMOTION accessory option

Angled Hinges

- For irregular shaped cabinets with BLUMOTION accessory option

4. What Dimensions Are Needed?

Overlay

Ranges will vary from hinge to hinge. See product charts and planning tools.

Door Thicknesses

See product charts and planning tools.

Note: Also needed, is the face frame width for face frame applications and the side panel thickness for frameless applications.

Reveal

The side-to-side adjustment feature will allow you to achieve a ± 2mm adjustment. See product charts and planning tools for reveal ranges.

Boring Distance

The boring distance is variable, but your overlay & hinge selection will give guidance as to what the boring distance should be.

CONVERSION CHART: MM & INCHES

MM	2	3	6	8	9	13	16	17.5	19	20	22	24	25.4
INCH	3/32"	1/8"	1/4"	5/16"	11/32"	1/2"	5/8"	11/16"	3/4"	25/32"	7/8"	15/16"	1"
DECIMAL	.094"	.125"	.25"	.688"	.344"	.5"	.625"	.313"	.75"	.781"	.875"	.938"	1.00"

Hinge Plate Combinations

Full Overlay (0mm) 1 Option



0mm - Straight Arm Hinge
0mm - Height Mounting Plate

$$0 + 0 = 0$$

Partial/Half Overlay (9mm) 2 Options



0mm - Straight Arm Hinge
9mm - Height Mounting Plate

$$0 + 9 = 9$$



9mm - Half Cranked Hinge
0mm - Height Mounting Plate

$$9 + 0 = 9$$

Inset (18mm) 3 Options



0mm - Straight Arm Hinge
18mm - Height Mounting Plate

$$0 + 18 = 18$$



9mm - Half Cranked Hinge
9mm - Height Mounting Plate

$$9 + 9 = 18$$



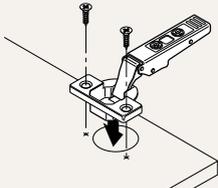
18mm - Full Cranked Hinge
0mm - Height Mounting Plate

$$18 + 0 = 18$$

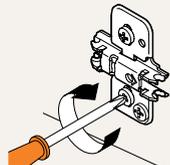
Hinge & Plate Mounting Options

Screw On

Use wood screws

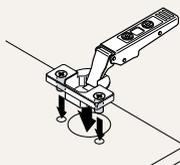


See Pages H-13~14
For Screw Sizes



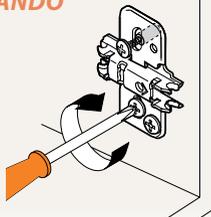
Press In

Pre-attached $\varnothing 8\text{mm}$ dowels installed with Blum knock-in tool or MINIPRESS with an insertion ram



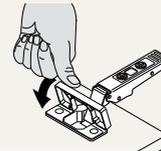
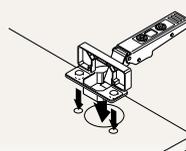
EXPANDO

Pre-attached expanding $\varnothing 5\text{mm}$ dowels



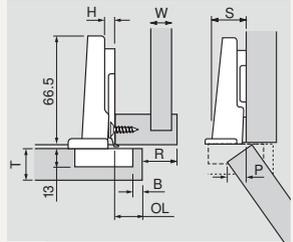
INSERTA

Tool-free attachment (cup expands into $\varnothing 35\text{mm}$ hole)
CLIP top 110° hinges (lever expands into $\varnothing 8\text{mm}$ holes)



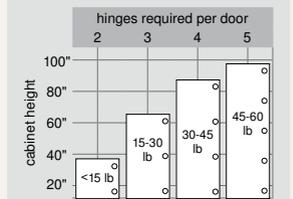
Useful Information

Hinge abbreviation key



B	= Boring distance
H	= Plate height
OL	= Door overlay
P	= Door protrusion
R	= Reveal
S	= Side arm protrusion
T	= Door thickness
W	= Side panel width
FD	= Fixed distance

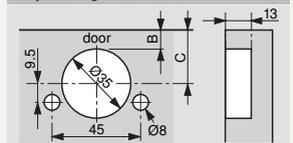
Hinges per door



This chart can serve as a guide for determining the number of hinges per door. Note that door weight can also determine the number of hinges required.

NOTE: The distance between the top and bottom hinges must be greater than the width of the door

Cup boring information



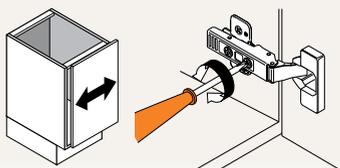
C = cup centerpoint					
20.5	21.5	22.5	23.5	24.5	25.5
13/16"	27/32"	7/8"	15/16"	31/32"	1"
3	4	5	6	7	8

B = bore distance

Three Dimensional Adjustment

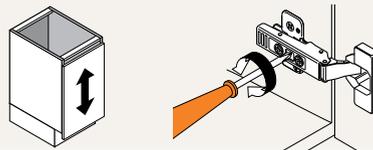
Side Adjustment

Rotate front screw to increase or decrease door overlay $\pm 2\text{mm}$.



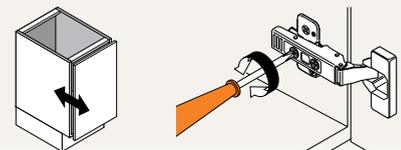
Height Adjustment

Rotate cam screw on mounting plate adjust door position ($\pm 2\text{mm}$). On non-cam mounting plates, loosen screws, adjust door and retighten screws.



Depth Adjustment

Rotate rear Spiral Tech cam screw to adjust door position (+3mm, -2mm). For CLIP hinges, loosen rear screws, adjust door and retighten screws.



EURO HINGE STOCK PROGRAM

Cabinet Application	Full Overlay	Partial/Twin Overlay	Partial/Twin Overlay	Inset	Inset	Inset	
Mounting Plate Height	0mm and 3mm (Frameless)	9mm	0mm	0mm	9mm	18mm	
Hinge Arm Configuration	Straight-Arm	Straight-Arm	Half-Cranked	Full-Cranked	Half-Cranked	Straight-Arm	
<p>SC=Self Closing</p>	Frameless						
CLIP top BLUMOTION							
CLIP top BLUMOTION 110° (See H-6)							
INSERTA	SC	71B3590	71B3590	71B3690	71B3790	71B3690	71B3590
Press-In	SC	71B3580	71B3580	71B3680	71B3780	71B3680	71B3580
Screw-On	SC	71B3550	71B3550	71B3650	71B3750	71B3650	71B3550
CLIP top BLUMOTION 95° (See H-7)							
INSERTA	SC	71B9590	71B9590	71B9690	71B9790	71B9690	71B9590
CLIP top BLUMOTION 125° (See H-8)							
Press-In	SC	71B7580D	71B7580D	-	-	-	71B7580D
CLIP top BLUMOTION 155° (See H-9)							
INSERTA	SC	-	-	71B7690	-	71B7690	-
Press-In	SC	71B7580	71B7580	-	-	-	71B7580
Screw-On	SC	71B7590	71B7590	-	-	-	71B7590
CLIP top							
CLIP top 110° (See H-6)							
INSERTA	SC	71T3590	71T3590	71T3690	71T3790	71T3690	71T3590
Press-In	SC	71T3580	71T3580	71T3680	71T3780	71T3680	71T3580
Screw-On	SC	71T3550	71T3550	71T3650	71T3750	71T3650	71T3550
CLIP top 170° (See H-6)							
INSERTA	SC	71T6540B	71T6540B	71T6640B	-	71T6640B	71T6540B
Press-In	SC	71T6580	71T6580	71T6680	-	71T6680	71T6580
Screw-On	SC	71T6550	71T6550	71T6650	-	71T6650	71T6550
CLIP top 125° (See H-8)							
Press-In	SC	71T7530D	71T7530D	-	-	-	71T7530D
CLIP top 155° (See H-9)							
INSERTA	SC	71T7540N01	71T7540N01	71T640N01	-	71T640N01	71T7540N01
Press-In	SC	71T7530N	71T7530N	-	-	-	71T7530N
CLIP top 95° (See H-7)							
INSERTA	SC	71T9590B	71T9590B	71T9690B	71T9790B	71T9690B	71T9590B
CLIP top 95° mini (See H-10)							
Screw-On	SC	71T0550	71T0550	-	-	-	71T0550
CLIP top 95° glass door hinges (See H-10)							
Screw-On	SC	75T4100	75T4100	75T4200	75T4300	75T4200	75T4100
CLIP							
CLIP 100° (See H-10)							
Screw-On	SC	71M2550	71M2550	71M2650	71M2750	71M2650	71M2550

SPECIAL APPLICATIONS

CLIP top BLUMOTION

CLIP top BLUMOTION 95° inset blind corner (See H-7)

CLIP top

CLIP top 95° inset blind corner (See H-7)

CLIP top 60° bi-fold hinges (See H-8)

Concealed Hinges



110° CLIP top & CLIP top BLUMOTION hinges



- 110° opening angle works in most cabinets applications
- **CLIP top** hinge is self closing
- **BLUMOTION** hinge has integrated soft close mechanism
- **Material:** All Metal Hinge, Nickel Plated



Dimension Guidelines
Door Thickness: 16mm to 26mm
Reveal: .5mm to 3.0mm
Bore Distance: 3mm to 7mm
Cup Depth: 13mm

Part #	Cabinet Application	Overlay / Reveal Range [^]	Cup Mounting	Works With Plate Height	Pieces Per Carton
CLIP top					
71T3550	Full Overlay with Straight Arm	8mm to 18mm (Face Frame) 5mm to 18mm (Frameless) Overlay	Screw On	0,3,4,5,6,9mm	250 pcs.
71T3580			Press In	0,3,4,5,6,9mm	250 pcs.
71T3590			INSERTA	0,3,4,5,6,9mm	250 pcs.
71T3650	Partial/Half Overlay with Half Cranked Arm	4.5mm to 8.5mm Overlay	Screw On	0mm	250 pcs.
71T3680			Press In	0mm	250 pcs.
71T3690			INSERTA	0mm	250 pcs.
71T3750	Inset with Full Cranked Arm	1mm to 4mm Reveal	Screw On	0mm	250 pcs.
71T3780			Press In	0mm	250 pcs.
71T3790			INSERTA	0mm	250 pcs.
CLIP top BLUMOTION					
71B3550	Full Overlay with Straight Arm	8mm to 18mm (Face Frame) 5mm to 18mm (Frameless) Overlay	Screw On	0,3,4,5,6,9mm	250 pcs.
71B3580			Press In	0,3,4,5,6,9mm	250 pcs.
71B3590			INSERTA	0,3,4,5,6,9mm	250 pcs.
71B3650	Partial/Half Overlay with Half Cranked Arm	4.5mm to 8.5mm Overlay	Screw On	0mm	250 pcs.
71B3680			Press In	0mm	250 pcs.
71B3690			INSERTA	0mm	250 pcs.
71B3750	Inset with Full Cranked Arm	1mm to 4mm Reveal	Screw On	0mm	250 pcs.
71B3780			Press In	0mm	250 pcs.
71B3790			INSERTA	0mm	250 pcs.

Accessories
86° Angle Restriction Clip For 110° Hinges

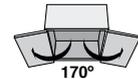
Function: Can be inserted or removed before or after the hinge has been installed

Material: Nylon

70T3553
Carton Quantity: 250



170° CLIP top hinges



- Used when larger opening angle is required, such as last wall or base cabinet. This allows for greater access to the contents inside the cabinet.
- **CLIP top** hinge is self closing
- **Material:** All Metal Hinge, Nickel Plated

Dimension Guidelines
Door Thickness: 16mm to 24mm
Reveal: 0mm to 2.2mm
Bore Distance: 3mm to 8mm
Cup Depth: 11mm

Part #	Cabinet Application	Overlay / Reveal Range [^]	Cup Mounting	Works With Plate Height	Pieces Per Carton
CLIP top					
71T6550	Full Overlay with Straight Arm	8mm to 19mm (Face Frame) 5mm to 19mm (Frameless) Overlay	Screw On	0,3,4,5,6,9mm	125 pcs.
71T6580			Press In	0,3,4,5,6,9mm	125 pcs.
71T6540B			INSERTA	0,3,4,5,6,9mm	125 pcs.
71T6650	Partial/Half Overlay with Half Cranked Arm	4.5mm to 9.5mm Overlay	Screw On	0mm	125 pcs.
71T6680			Press In	0mm	125 pcs.
71T6640B			INSERTA	0mm	125 pcs.
71T6650	Inset Application (Frameless Only)	0.5mm to 4.5mm Reveal	Screw On	9mm	125 pcs.
71T6680			Press In	9mm	125 pcs.
71T6640B			INSERTA	9mm	125 pcs.

130° Angle Restriction Clip For 170° Hinges

Function: Can be inserted or removed before or after the hinge has been installed

Material: Nylon

70.6103
Carton Quantity: 250

Accessories
ADD ON BLUMOTION Soft Close Component

Function: Additional clearance of 41mm needed above and below for interior roll out

Material: Nylon Enclosed In a Steel Housing

973A6000
Carton Quantity: 25

[^]Above overlay & reveal ranges are based on a neutral side adjustment position



95° CLIP top & CLIP top BLUMOTION hinges For Thick Doors



- 95° opening angle works with doors up to 30mm thick
- **CLIP top** hinge is self closing
- **BLUMOTION** hinge has integrated soft close mechanism
- **Material:** All Metal Hinge, Nickel Plated



Dimension Guidelines
Door Thickness: 19mm to 30mm
Reveal: .4mm to 3.8mm
Bore Distance: 3mm to 7mm
Cup Depth: 13mm

Part #	Cabinet Application	Overlay / Reveal Range [^]	Cup Mounting	Works With Plate Height	Pieces Per Carton
CLIP top					
71T9590B	Full Overlay with Straight Arm	8mm to 18mm (Face Frame) 5mm to 18mm (Frameless) Overlay	INSERTA	0,3,4,5,6,9mm	250 pcs.
71T9690B	Partial/Half Overlay with Half Cranked Arm	4.5mm to 8.5mm Overlay	INSERTA	0mm	50 pcs.
71T9790B	Inset with Full Cranked Arm	1mm to 4mm Reveal	INSERTA	0mm	50 pcs.
CLIP top BLUMOTION					
71B9590	Full Overlay with Straight Arm	8mm to 18mm (Face Frame) 5mm to 18mm (Frameless) Overlay	INSERTA	0,3,4,5,6,9mm	250 pcs.
71B9690	Partial/Half Overlay with Half Cranked Arm	4.5mm to 8.5mm Overlay	INSERTA	0mm	50 pcs.
71B9790	Inset with Full Cranked Arm	1mm to 4mm Reveal	INSERTA	0mm	50 pcs.

95° CLIP top & CLIP top BLUMOTION Inset Blind Corner Hinge



- Used in blind corner cabinets with inset doors
- The blind corner cabinet typically is the one leading up to the lazy susan cabinet
- The same hinge can be used in flush and offset door applications
- **CLIP top** hinge is self closing
- **BLUMOTION** hinge has integrated soft close mechanism
- **Material:** All Metal Hinge, Nickel Plated



Dimension Guidelines
Door Thickness: 16mm to 24mm
Reveal: .1mm to 1.3mm
Bore Distance: 3mm to 7mm
Cup Depth: 13mm

Part #	Cabinet Application	Overlay / Reveal Range [^]	Cup Mounting	Works With Plate Height	Pieces Per Carton
CLIP top					
79T9590	Inset	1mm to 5mm Reveal	INSERTA	0mm & 3mm	50 pcs.
CLIP top BLUMOTION					
79B9590	Inset	1mm to 5mm Reveal	INSERTA	0mm & 3mm	50 pcs.

ADD-ON BLUMOTION Soft Close Component

Function: Additional clearance of 41mm needed above and below for interior roll out
Material: Nylon



970A1002
Carton Quantity: 50



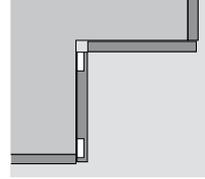
[^]Above overlay & reveal ranges are based on a neutral side adjustment position



60° CLIP top Bi-Fold hinge



- Used in bi-fold doors or cabinets with pie cut lazy susans 155° or 170° hinge recommended for adjacent door.
- The spiral tech cam allows for +4/-7mm adjustment
- **CLIP top** hinge is self closing
- **Material:** All Metal Hinge, Nickel Plated

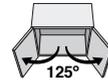


Dimension Guidelines

- Door Thickness:** 16mm to 21mm
- Reveal:** 1mm to 4mm
- Bore Distance:** 12.5mm center point from edge of door
- Cup Depth:** 11mm

Part #	Cabinet Application	Overlay / Reveal Range [^]	Cup Mounting	Works With Plate Height	Pieces Per Carton
CLIP top					
79T8530.10	Bi-Fold	Inside Corner Application	Press In	0mm	125 pcs.

125° CLIP top BLUMOTION Zero Protrusion hinge



- Used in cabinets with interior roll outs
- For use with thicker doors
- **BLUMOTION** hinge has integrated soft close mechanism
- **Material:** All Metal Hinge, Nickel Plated

Dimension Guidelines

- Door Thickness:** up to 30mm**
- Reveal:** 0mm
- Bore Distance:** 3mm to 8mm
- Cup Depth:** 11.7mm

** Door Thickness can be up to 34mm with use of 92° Angle Restriction Clip

Part #	Cabinet Application	Overlay / Reveal Range [^]	Cup Mounting	Works With Plate Height	Pieces Per Carton
CLIP top BLUMOTION					
71B7580D	Full Overlay With Straight Arm	11mm to 19mm (Face Frame / Frameless)	Press In	0mm & 3mm	25 pcs.

Accessories for CLIP top BLUMOTION hinges

92° Angle Restriction Clip

Function: Ideally used when door is hitting the cabinet. Can be inserted or removed before or after the hinge has been installed.

Material: Nylon

70T7553

Carton Quantity: 250



Cover Cap

Function: Hinge arm cover cap.

Material: Steel

70.4503

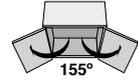
Carton Quantity: 1000



[^]Above overlay & reveal ranges are based on a neutral side adjustment position



155° CLIP top & CLIP top BLUMOTION Zero Protrusion hinges



- Used with cabinet roll outs and tall pantry cabinets without having to use special blocks
- **CLIP top** hinge is self closing
- **BLUMOTION** hinge has integrated soft close mechanism
- **Material:** All Metal Hinge, Nickel Plated

Dimension Guidelines
Door Thickness: 16mm to 24mm
Reveal: 0mm
Bore Distance: 3mm to 8mm
Cup Depth: 11.7mm

Part #	Cabinet Application	Overlay / Reveal Range [^]	Cup Mounting	Works With Plate Height	Pieces Per Carton
CLIP top					
71T7590	Full Overlay with Straight Arm	11mm to 19mm (Face Frame / Frameless)	INSERTA	0mm & 3mm	25 pcs.
CLIP top BLUMOTION					
71B7690	Full Overlay/Partial Applications with Half Cranked Arm	4.5mm to 9.5mm (Face Frame / Frameless)	INSERTA	0mm	25 pcs.
71B7580	Full Overlay with Straight Arm	11mm to 19mm (Face Frame / Frameless)	Press In	0mm & 3mm	25 pcs.
71B7590	Full Overlay with Straight Arm	11mm to 19mm (Face Frame / Frameless)	INSERTA	0mm & 3mm	125 pcs.

Accessories for CLIP top & CLIP top BLUMOTION hinges

92° Angle Restriction Clip

Function: Ideally used when door is hitting the cabinet. Can be inserted or removed before or after the hinge has been installed.

Material: Nylon

70T7553.09

Carton Quantity: 250



110° Angle Restriction Clip

Function: Ideally used when door is hitting the cabinet. Can be inserted or removed before or after the hinge has been installed.

Material: Nylon

70T7553

Carton Quantity: 250

[^]Above overlay & reveal ranges are based on a neutral side adjustment position

**110° CLIP top BLUMOTION
for Thin Doors**



- 110° opening angle
- Integrated **BLUMOTION** soft close mechanism
- Zero protrusion
- Compatible with clip mounting plate
- Works with particle board, MDF, HDF, HPL, mineral composites, granite stone, quartz stone, artificial stone & ceramic plates
- **Material:** Steel

Part #	Cabinet Application	Overlay / Reveal Range [^]	Cup Mounting	Works With Plate Height	Pieces Per Carton
CLIP top BLUMOTION					
71B453T	Full Overlay/ Partial/Half Overlay Inset Applications	8mm to 19mm 4.5mm to 9.5mm .5mm - 3.5mm Reveal	DOWELED	0mm 9mm 18mm	125 pcs.

Accessories for Thin Doors

85° Angle Restriction Clip

Function: Can be inserted or removed before or after the hinge has been installed

Material: Nylon
Color: Dark Gray

70T4503
Carton Quantity: 250



92° Angle Restriction Clip

Function: Can be inserted or removed before or after the hinge has been installed

Material: Nylon
Color: Dust Gray

70T4503.09
Carton Quantity: 250

[^]Above overlay & reveal ranges are based on a neutral side adjustment position



CLIP top BLUMOTION Angled Hinges



- Ideal for irregular shaped cabinets and can accommodate many different angles
- For frameless cabinets
- Need hinge, wedge spacer and plate
- The spiral tech cam allows for +4/-7mm adjustment
- **BLUMOTION** hinge has integrated soft close mechanism
- **Material:** All Metal Hinge, Nickel Plated

Dimension Guidelines

- Max Door Thickness: 19m
- Reveal: N/A
- Bore Distance: 5mm to 11.5mm
- Cup Depth: 13mm

Wedge Spacers For Angled Hinges

Part #	Thickness	Angle	Pcs. Per Carton
CLIP top			
171A5500	2mm	-5	50 pcs.
171A5010	4mm	5	50 pcs.
171A5040	5mm	5	50 pcs.
171A5070	7mm	5	50 pcs.

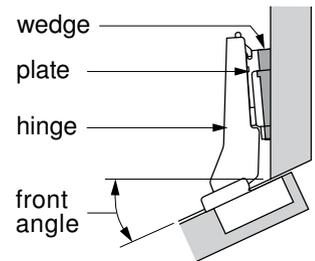
See Pages H-13~14 For Plates

Part #	Angle	Cup Mounting	Pcs. Per Carton
CLIP top			
79B9494	Positive 15	INSERTA	50 pcs.
79B9595	Positive 20	INSERTA	50 pcs.
79B9596	Positive 30	INSERTA	50 pcs.
79B9496	Positive 30	INSERTA	50 pcs.
79B9698	Positive 45	INSERTA	50 pcs.
79B3598	Positive 45	INSERTA	50 pcs.
79B9498	Positive 45	INSERTA	50 pcs.
79B3493	Negative 15	INSERTA	50 pcs.
79B3491	Negative 30	INSERTA	50 pcs.
79B3490	Negative 45	INSERTA	50 pcs.

Angle	POSITIVE ANGLES					NEGATIVE ANGLES	
	Maximum Overlay	Partial Overlay	Corner Merge	Inset Door	Mitered Corner	Maximum Overlay	Inset Door
10°	2	11	20	28		43	52
	79B9494	79B9494	79B9494	79B9494		79B3493	79B3493
	173H7100	173H7100	175H9190.22	175H9190.22		173H7100	173H7100
	171A5500	171A5500	171A5500	171A5500		171A5010	171A5010
15°						44	53
						79B3493	79B3493
						173H7100	175H9190.22
20°	4	13		31	37		54
	79B9494	79B9595		79B9595	79B9595		79B3493
	173H7100	173H7100		175H9190.22	175H9160		175H9160
	171A5070						11A5500
25°	5	14	23	31	38	46	55
	79B9496	79B9595	79B9596	79B9596	79B9596	79B3491	79B3491
	173H7100	173H7100	173H7100	175H9190.22	173H7100	173H7100	175H7190
	171A5500	171A5500	171A5500		171A5500	171A5040	171A5500
30°		15		32			
		79B9596		79B9596			
		173H7100		175H9190.22			
35°	7	16	25	33	40	48	
	79B9496	79B9596	79B9596	79B9596	79B9596	79B3491	
	173H7100	173H7100	173H7100	175H9190.22	173H7100	173H7100	
	171A5070	171A5010	171A5070	171A5010	171A5040	171A5500	
40°	8						
	79B9498						
	173H7100						
	171A5500						
45°		18	26	35	41		
		79B3598	79B9698	79B3598	79B9698		
		173H7100	173H7100	175H9190.22	173H7100		

The chart on this page shows the hinge, plate and wedge (or spacer) needed for each angled application. The legend below shows the order of the part numbers.

NOTE: All 35mm and 8mm holes must be a minimum of 13mm deep		Application Number
Hinge	CLIP top BLUMOTION Hinge	Part Number
Plate	CLIP Mounting Plate	Part Number
Wedge/Spacer	May or May Not Be Required	Part Number





BLUM PLATES
Material: Nickel Plated Steel

Hinge Plate Combinations

Full Overlay: 0mm (1 Option)



0mm- Straight Arm Hinge
0mm- Height Mounting Plate

0 + 0 = 0

Partial/Half Overlay: 9mm (2 Option)



0mm- Straight Arm Hinge
9mm- Height Mounting Plate

0 + 9 = 9



9mm- Half Cranked Hinge
0mm- Height Mounting Plate

9 + 0 = 9

Inset: 18mm (3 Option)



0mm- Straight Arm Hinge
18mm- Height Mounting Plate

0 + 18 = 18



9mm- Half Cranked Hinge
9mm- Height Mounting Plate

9 + 9 = 18



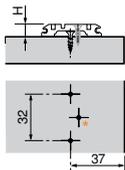
18mm- Full Cranked Hinge
0mm- Height Mounting Plate

18 + 0 = 18

Frameless/Panel Cabinet Mounting Plates

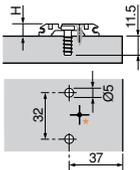
A. One Piece Wing

Height Adjustment: ±3mm



173L6100

Height Adjustment: ±2mm

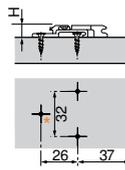


174E6100.01

Part #	Plate Height	Attachment	Pieces Per Carton
173L6100	0mm	Screw Size: #6 x 5/8"	500 pcs.
174E6100.01	0mm	EXPANDO Dowels Attached (5mm)	500 pcs.

B. Two Piece Wing

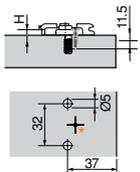
Height Adjustment: ±2mm



Part #	Plate Height	Attachment	Pieces Per Carton
175H7100	0mm	Screw Size: #6 x 5/8"	500 pcs.
175H7190	9mm	#6 x 5/8"	250 pcs.
175H9190.22	18mm	Screw Size: #7 x 5/8" or 5mm Euro Screw	250 pcs.

C. One Piece Wing With 5mm Screw

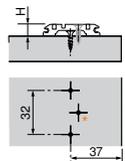
Height Adjustment: ±3mm



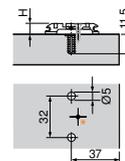
Part #	Plate Height	Attachment	Pieces Per Carton
175L8190	9mm	Pre-Mounted 5mm System Screws	250 pcs.

D. Cam Adjustable Wing

Cam Height Adjustment: ±2mm



173H7100 & 173H7130



174H7100E & 174H7130E

Part #	Plate Height	Attachment	Pieces Per Carton
173H7100	0mm	Screw Size: #6 x 5/8"	500 pcs.
173H7130	3mm	#6 x 5/8"	500 pcs.
174H7100E	0mm	EXPANDO Dowels Attached (5mm)	500 pcs.
174H7130E	3mm	Attached (5mm)	500 pcs.

SCREWS SOLD SEPARATELY- SEE PAGE H-21



BLUM PLATES Material: Nickel Plated Steel Face Frame Cabinet Adapter Plates

E. Cam Adjustable Center Mount

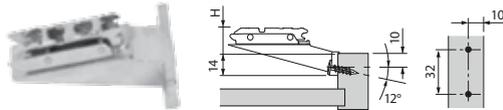
Cam Height Adjustment: ±2mm



Part #	Plate Height	Attachment	Pieces Per Carton
175H6000	0mm		250 pcs.
175H6030	3mm	Screw Size:	250 pcs.
175H6040	4.5mm	#7 x 3/4"	250 pcs.
175H6060	6mm		250 pcs.

F. Inset Plate

Cam Height Adjustment: ±2mm

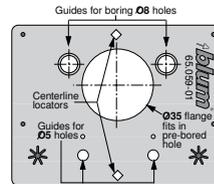


Part #	Plate Height	Attachment	Pieces Per Carton
175H5030.21	9mm	Screw Size: Truss Head Screw	250 pcs.

SCREWS SOLD SEPARATELY- SEE PAGE H-21
Use with partial overlay hinges only

ASSEMBLY AIDS

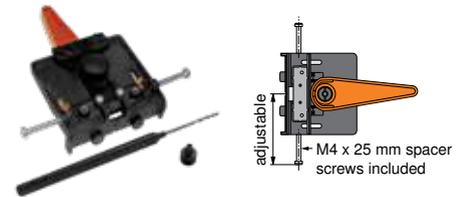
INSERTA Boring Template



- For boring ø8mm dowel holes after ø35mm hole is bored
- Boring distance adjusts from 2mm to 8mm
- Also bores ø5mm holes for system screw mounting plates
- Includes drill stop collar to pilot bore ø2.5mm for screw-on plates

Part #	Description
65.059A	INSERTA Boring Template

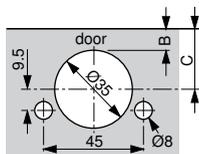
PLATEMATE



- Boring template for all blum face frame adapter plates
- Clamps to the frame with cam lever
- Adjustment knob accommodates frame thickness of 5/8" to 1"
- Spacer screws permit quick use without measuring
- Includes 2.5mm pilot bit and drill bit extension

Part #	Description
65.5030.01	PLATEMATE

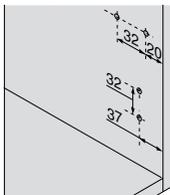
ECODRILL



- Simple device for boring Blum hinge pattern
- Driven by electric/cordless drill (18V or higher)
- Boring distance adjusts from 2mm to 8mm
- Clamps to various door thicknesses up to 40mm
- Includes drill bits (pre-installed) and two Torx bits

Part #	Description
M31.1000	ECODRILL
M31.ZB35.02	Replacement ø35mm bit
M31.ZB08.02	Replacement ø8mm bit
MZW.1300	Tool Set

Mounting Plate Template



- Use with CLIP mounting plates on overlay applications on panel cabinets
- For wing mounting plates (37mm setback) and in-line mounting plates (20mm setback)
- Simple location of mounting plate screw positions
- Pilot bore ø2.5mm holes for wood screws

Part #	Description
65.5300	Mounting Plate Template

ACCESSORIES

Hinge Arm Cover Caps

Works with:
100°, 110°, Bi-Fold,
Blind Corner &
Angled
Hinges

Material: Steel

70.1503:
Carton Quantity: 1000

Works with:
125° & 155°
Hinges

Material: Steel

70.7503:
Carton Quantity: 1000

Works with:
170° Hinges

Material: Steel

80.6507:
Carton Quantity: 1000

Works with:
Thin Door
Hinges

Material: Steel

70.4503:
Carton Quantity: 1000



TIP-ON for doors

Works with **BLUM CLIP top** Self Close Hinges



Designed for face frame or frameless cabinets applications

- Can be recess or surface mounted (with adapter plate)
- Works for both overlay & inset applications
- Adjustment range: +4 mm to -1 mm
- For doors widths greater than 10"
- **Material:** Grey Nylon

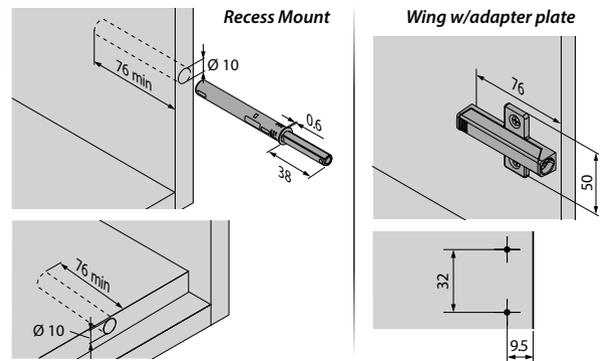


Note: For face frame applications, blocking may be required

Part #	Description	Pieces Per Carton
956A1006	TIP-ON Mechanism	50 pcs.
956A1501 [^]	Surface Mount Adapter Plate	50 pcs.

[^] Mounts w/ #6 x 5/8" wood screw (sold separately), see below

Installation Dimensions

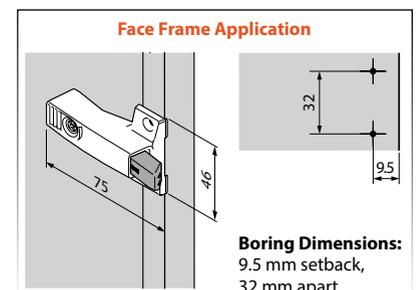
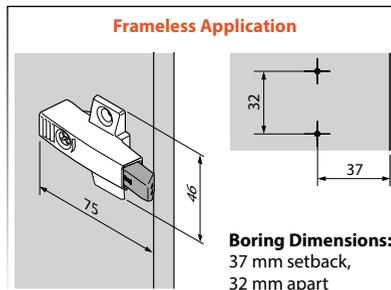


Add-On BLUMOTION Soft Close Adapter



Available for face frame or frameless cabinets applications

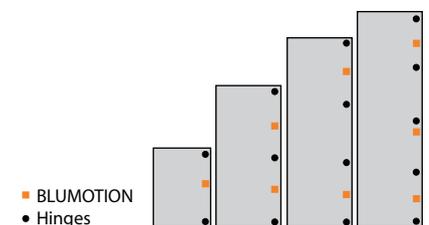
- Offers the same quality of motion as drawer systems with **BLUMOTION**
- Adjustment to various door sizes and weights (+3/-7 mm range)
- Installed onto hinge-side panel
- **Material:** Nickel plated steel housing w/grey nylon plunger



Part #	Application	Attachment	Pieces Per Carton
971A0500	Frameless	#6 x 5/8 wood screw	25 pcs.
971A0700	Face Frame	#6 x 5/8 wood screw	25 pcs.

#6 x 5/8" wood screw (sold separately), see below

#6 x 5/8" Wood Screw (sold separately)
606N-100
 Screws are packed 100 per bag. No broken boxes

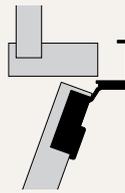




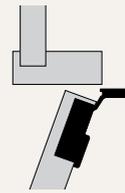
COMPACT BLUMOTION Hinges For Face Frame Cabinets

- **BLUMOTION** integrated into the hinge cup
- Deactivation switch for small/lightweight doors
- Overload safety feature to protect from damage due to slamming
- One piece hinge

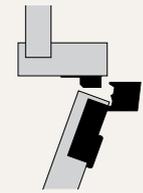
Wraparound Hinges



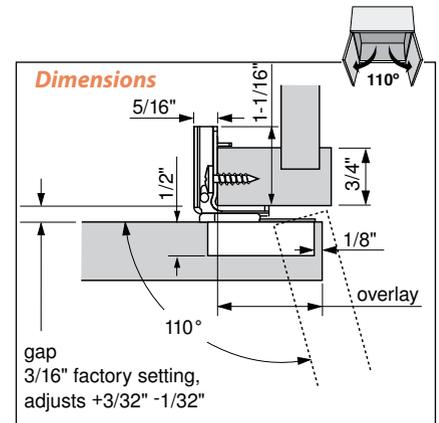
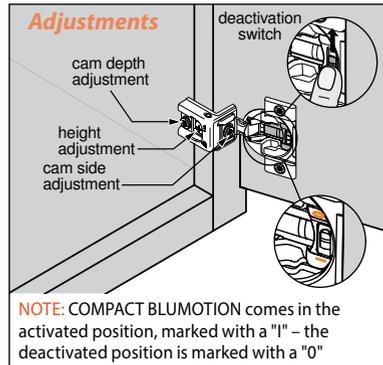
Edge Mount Hinges



Face Mount Hinges



39C Series Hinge



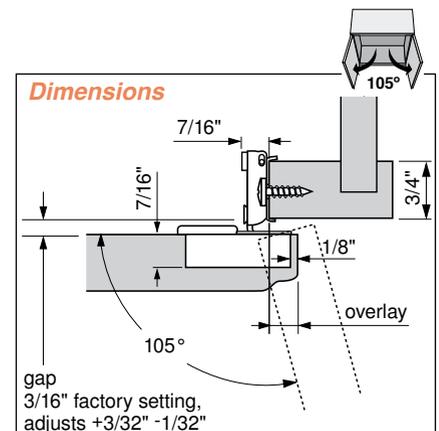
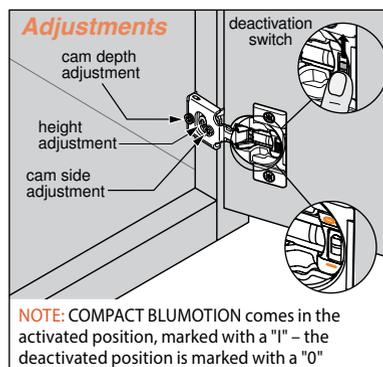
Part #	Cabinet Application	Overlay	Cup Mounting	Hinge Type	Pieces Per Carton
39C358B.16	Full Overlay	1"	Press In	Wrap Around	300 pcs.
39C358B.20		1-1/4"	Press In	Wrap Around	300 pcs.
39C358B.21		1-5/16"	Press In	Wrap Around	300 pcs.
39C358B.22		1-3/8"	Press In	Wrap Around	300 pcs.
39C358B.24		1-1/2"	Press In	Wrap Around	300 pcs.
39C358B.25		1-9/16"	Press In	Wrap Around	300 pcs.

Note: Screw on cup mount is available minimums apply- please inquire

Dimension Guidelines

- Maximum Door Thickness: 3/4"**
- Minimum Reveal: 7/32"**
(Based on 3/4" door)
- Cup Depth: 1/2"**
- Screw Size: #6 x 5/8" Wood Screw**
(#606N-100, See Page H-21)

38N Series Hinge



Part #	Cabinet Application	Overlay	Door Protrusion	Cup Mounting	Hinge Type	Pieces Per Carton
38N358B.05	Partial Overlay	5/16"	5/16"	Press In	Wrap Around	250 pcs.
38N358B.06		3/8"	3/8"	Press In	Wrap Around	250 pcs.
38N358B.08		1/2"	1/8"	Press In	Wrap Around	250 pcs.
38N358BE08		1/2"	1/8"	Press In	Edge Mount	250 pcs.
38N358B.10		5/8"	0	Press In	Wrap Around	250 pcs.
38N358B.12		3/4"	0	Press In	Wrap Around	250 pcs.

Note: Screw on cup mount is available minimums apply- please inquire

Dimension Guidelines

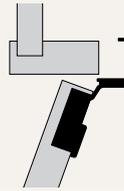
- Maximum Door Thickness: 3/4"**
- Minimum Reveal: 9/32"**
(Based on 3/4" door)
- Cup Depth: 7/16"**
- Screw Size: #6 x 5/8" Wood Screw**
(#606N-100, See Page H-21)



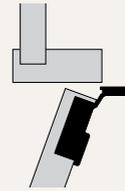
COMPACT BLUMOTION Hinges For Face Frame Cabinets

- **BLUMOTION** integrated into the hinge cup
- Deactivation switch for small/lightweight doors
- Overload safety feature to protect from damage due to slamming
- One piece hinge

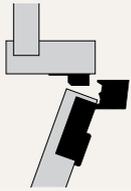
Wraparound Hinges



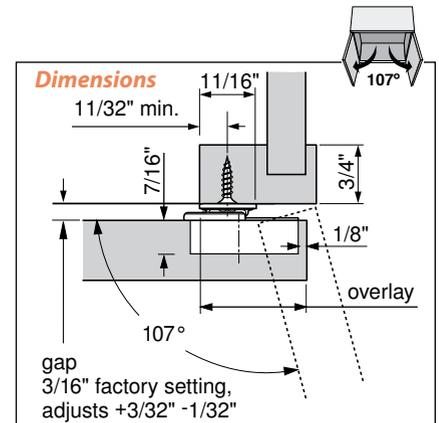
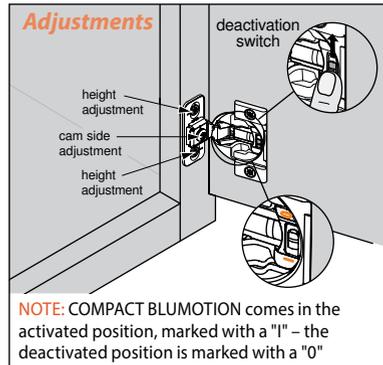
Edge Mount Hinges



Face Mount Hinges



38B Series Hinge



Dimension Guidelines

- Maximum Door Thickness: 3/4"**
- Minimum Reveal: 9/32"**
(Based on 3/4" door)
- Cup Depth: 7/16"**
- Screw Size: #6 x 5/8" Wood Screw**
(#606N-100, See Page H-21)

Part #	Cabinet Application	Overlay	Cup Mounting	Hinge Type	Pieces Per Carton
38B358BF22	Full Overlay	1-3/8" Or Greater	Press In	Face Mount	250 pcs.

Note: Screw on cup mount is available minimums apply- please inquire

Accessories



Angle Restriction Clips

Function: Used to reduce the opening angle for cabinets located close to wall

Material: Nylon

Part #	Works With	Angle Reduction	Pieces Per Carton
38C315B3.1	39C, 38N & 38B Series	86°	250 pcs.

Note: Must be inserted before the hinge has been attached to the face frame



39C Series Hinge Arm Cover Caps

Function: Decorative cover cap

Material: Steel Nickel Plated

Part #	Works With	Pieces Per Carton
38C3508.BP	39C Series	1000 pcs.



38N Series Hinge Arm Cover Caps

Function: Decorative cover cap

Material: Steel Nickel Plated

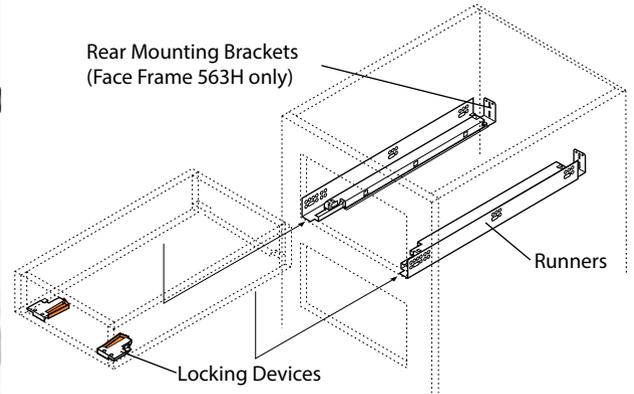
Part #	Works With	Pieces Per Carton
38N3508BBP	38N Series	1000 pcs.



TANDEM plus BLUMOTION Concealed Drawer Runners



- All Blum runners meet or exceed ANSI/BHMA 156.9 grade 1 requirements
- Full extension for no extension loss



Note: Rear mounting brackets used for frame applications only

TANDEM series runners are based on the American standard 3" cabinet depth system, therefore runner lengths are in 3" increments
 TANDEM plus runners are available for drawers from 9" to 30" in length

563. Series Full Extension (90 lb. Capacity)



- Four-dimensional adjustment
- Elongated holes for depth adjustment
- Bottom mount holes
- 100 lb. static load capacity
- Full extension concealed drawer runners
- Panel or blocked out face frame cabinets
- Integrated **BLUMOTION** soft closing
- TANDEM smooth running action
- **MADE IN THE USA**

Runner Comparison

Side View



NOTE: Same hole pattern as the 563H



Part #	Drawer Length	Runner Length	Minimum	Maximum Drawer Thickness	Dynamic Load Capacity	Pieces Per Carton
563.5330B	533 (21")	548 (21-9/16")	557 (21-15/16")	16mm (5/8")	90 lbs.	6 Pairs
563.4570B	457 (18")	471 (18-17/32")	480 (18-29/32")	16mm (5/8")	90 lbs.	6 Pairs

*Note: Rear brackets cannot be used with these runners. Cabinet sides must be blocked out flush with the inside of the cabinet frame.
 Note: Works with T51.1901.L & T51.1901.R front locking devices only - See page H-21*



TANDEM plus BLUMOTION Concealed Drawer Runners
563H Series Full Extension (90 lb. Capacity)



- Four-dimensional adjustment
- Elongated holes for depth adjustment
- Bottom mount holes on 15", 18" and 21"
- 100 lb. static load capacity
- Full extension concealed drawer runners
- Face frame or panel cabinets
- Integrated **BLUMOTION** soft closing
- TANDEM smooth running action
- **MADE IN THE USA**

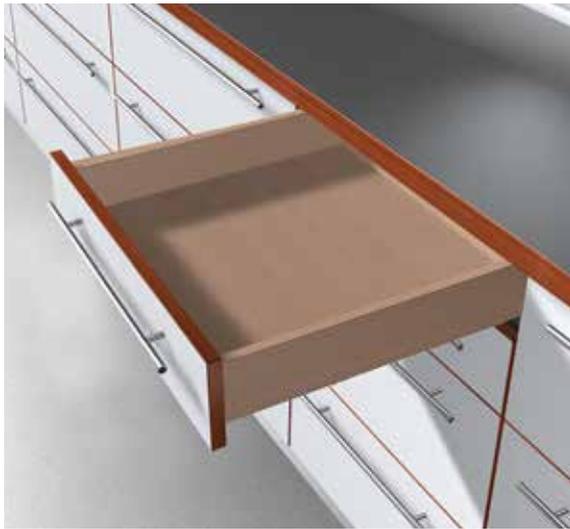


Part #	Drawer Length	Runner Length	Inside Cabinet Depth		Maximum Drawer Thickness	Dynamic Load Capacity	Pieces Per Carton
			Maximum	Minimum			
563H5330B	533 (21")	548 (21-9/16")	599 (23-19/32")	557 (21-15/16")	16mm (5/8")	90 lbs.	6 Pairs
563H4570B	457 (18")	471 (18-17/32")	522 (20-9/16")	480 (18-29/32")	16mm (5/8")	90 lbs.	6 Pairs
563H3810B	381 (15")	395 (15-9/16")	446 (17-9/16")	404 (15-29/32")	16mm (5/8")	90 lbs.	6 Pairs
563H3050B	305 (12")	319 (12-9/16")	370 (14-9/16")	328 (12-29/32")	16mm (5/8")	90 lbs.	6 Pairs
563H2290B	229 (9")	259 (10-3/16")	299 (11-25/32")	266 (10-15/32")	16mm (5/8")	90 lbs.	6 Pairs



TANDEM edge BLUMOTION Concealed Drawer Runners

554H Series 7/8 Extension (75 lb. Capacity)



- **MATERIAL:** Steel
- 7/8 Extension concealed runners
- Face frame or frameless cabinets
- **BLUMOTION** soft closing
- TANDEM smooth running action
- Available in 9" to 21" lengths
- 13mm (1/2") to 16mm (5/8") drawer thickness
- Locking devices enable easy drawer insertion and removal
- 75 lb. dynamic load capacity
- 100 lb. static load capacity

Components



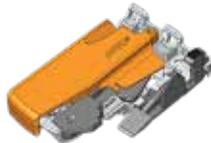
Runners

Inside Cabinet Depth

Part #	Drawer Length	Runner Length	Maximum	Minimum	Maximum Drawer Thickness	Dynamic Load Capacity	Pieces Per Carton
554H2290B01	229 (9")	274 (10-25/32")	299 (11-3/4")	284 (11-3/16")	16mm (5/8")	75 lbs.	8 Pairs
554H3050B01	305 (12")	331 (13-1/32")	375 (14-3/4")	341 (13-7/16")	16mm (5/8")	75 lbs.	8 Pairs
554H3810B01	381 (15")	407 (16-1/32")	451 (17-3/4")	417 (16-13/32")	16mm (5/8")	75 lbs.	8 Pairs
554H4570B01	457 (18")	484 (19-1/16")	527 (20-3/4")	494 (19-7/16")	16mm (5/8")	75 lbs.	8 Pairs
554H5330B01	533 (21")	560 (22-1/16")	604 (23-3/4")	570 (22-7/16")	16mm (5/8")	75 lbs.	8 Pairs

Mounting Screws Sold Separately [see below](#)

Front Locking Device

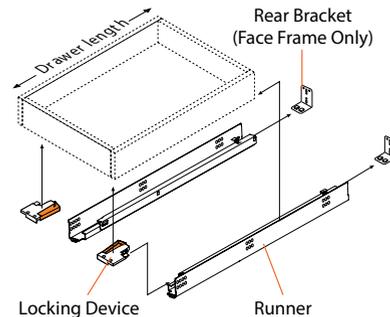


Part #	Minimum Inside Drawer Width	Adjustments	Pieces Per Carton
T51.1700.04*	121mm (4-3/4")	+3mm (1/8")	500 pcs.

1 Left (*L) & 1 Right (*R) Required Per Drawer

Mounting Screws Sold Separately [see below](#)

Basic Components



Rear Mount Brackets



- For TANDEM 563 H/F series runners & TANDEM edge
- Lateral self-alignment 3mm (1/8")
- Non-handed, one piece stamped steel design, zinc coated
- Use at least three #6 wood screws
- Not for use with 9" runners

Use for face frame cabinets only

Part #	Pieces Per Carton
295.3750.03	100 pcs.

Mounting Screws Sold Separately [see below](#)

Plug-In Socket



- Two required per drawer
- Lateral self-alignment
- Non-handed, two piece design

Part #	Pieces Per Carton
295.6510.21	400 pcs.

Mounting Screws Sold Separately [see below](#)

#6 x 5/8" Wood Screw (sold separately)
606N-100
 Screws are packed 100 per bag. No broken boxes



TANDEM plus BLUMOTION Concealed Drawer Runners

Required Accessories

Front Locking Devices

Standard with Side Adjustment



- With side-to-side adjustment
- Captive right device and self-aligning left device
- Self-adjusting drawer length tolerance
- Steel base with synthetic, spring-loaded release levers

Part #	Minimum Inside Drawer Width	Adjustments	Pieces Per Carton
T51.1901-*	170mm (6-11/16")	Height: +3 (1/8") Side: ±1.5 (1/16")	100 pcs.
606N-100	-	Screws	100 pcs.

1 Left (*L) & 1 Right (*R) Required Per Drawer

Standard without Side Adjustment



- For use with standard applications
- Captive right device and self-aligning left device
- Self-adjusting drawer length tolerance
- Zinc die-cast with synthetic, spring-loaded release levers

Part #	Minimum Inside Drawer Width	Adjustments	Pieces Per Carton
T51.1801-*	124mm (4-7/8")	Height: +3 (1/8")	100 pcs.
606N-100	-	Screws	100 pcs.

1 Left (*L) & 1 Right (*R) Required Per Drawer

Depth Adjustable with Side Adjustment



- Integrated depth adjustment and 3mm (1/8") SERVO-DRIVE distance bumper
- Captive right device and self-aligning left device
- Self-adjusting drawer length tolerance
- Steel base with synthetic, spring-loaded release levers
- Designed for 13mm (1/2") drawer bottom recess

Part #	Minimum Inside Drawer Width	Adjustments	Pieces Per Carton
T51.1901-PS-*	170mm (6-11/16")	Height: +3 (1/8") Depth: +2.5 (3/32")	100 pcs.
606N-100	-	Screws	100 pcs.

1 Left (*L) & 1 Right (*R) Required Per Drawer

Narrow Drawer without Side Adjustment



- For use with narrow drawers
- Maximum dynamic load capacity 25 lb.
- Captive right device and self-aligning left device
- Self-adjusting drawer length tolerance
- Vertical mount, two-piece nylon
- Minimum sub-front thickness 16mm (5/8")
- Designed for 13mm (1/2") drawer bottom recess

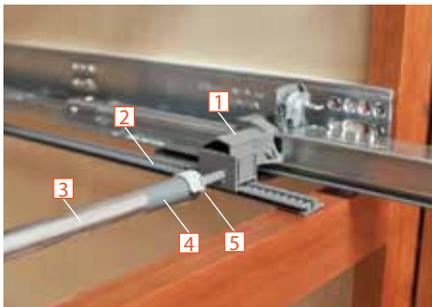
Part #	Minimum Inside Drawer Width	Adjustments	Pieces Per Carton
T51.0801.20*	124mm (4-7/8")	Height: +3 (1/8")	100 pcs.
606N-100	-	Screws	100 pcs.

1 Left (*L) & 1 Right (*R) Required Per Drawer

Optional Accessories

Lateral Stabilizer Set

- Increases lateral stability
- Synchronizes left and right runners to prevent drawer racking
- Ideal for wide applications using TANDEM 563/569 H/. and F/A Series
- Does not increase load capacity
- Panel and blocked-out face frame applications 229 (9") to 686 (27") length drawers
- Face frame applications with rear attachment 305 (12") to 533 (21") length drawers
- Recommended for opening widths 610 (24") and wider up to 1041 (41")



Set Includes:

- 1 Pinion housing (Qty. 2)
 - 2 Gear rack with location tabs (Qty. 2)
 - 3 Linkage rod, length 1054 (41-1/2")
 - 4 Pinion adaptor (Qty. 2)
 - 5 Locking clip (Qty. 2)
- Installation instructions

Part #	Pieces Per Carton
ZST.686TU01	10 sets

Rear Mount Brackets



- For TANDEM 563 H/F series runners & TANDEM edge
- Lateral self-alignment 3mm (1/8")
- Non-handed, one piece stamped steel design, zinc coated
- Use at least three #6 wood screws
- Not for use with 9" runners

Part #	Pieces Per Carton
295.3750.03	100 pcs.
606N-100	100 pcs.

Use for face frame cabinets only

TANDEM Assembly Tools



- To bore the ø6mm holes for rear hook
- Pre-bore ø2.5mm hole for TANDEM locking devices at required angle

T65.9000

Set Includes:

- 1 Allen wrenches (Qty. 2)
- 2 ø6mm stop collar
- 3 #2 phillips screwdriver tip
- 4 ø2.5mm drill bit extension

T65.1600.01

SR-DREH.K-SCHL



Part #	Description
DB-2.5MM	2.5mm Drill Bit
DB-6MM	6mm Drill Bit
T65.9000	Tool Set
T65.1600.01	Tandem Boring Template
SR-DREH.K-SCHL	#2 Pozzi Screwdriver



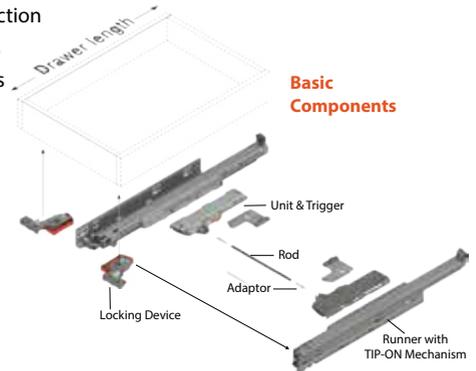
TIP-ON BLUMOTION for MOVENTO

TIP-ON push to open and BLUMOTION soft close all in one

Exceeds ANSI/BHMA A156.9 2010 Grade 1 specifications

Full Extension for no extension loss

- Four-dimensional adjustment
- Elongated holes for depth adjustment
- Bottom mount holes
- 125 lb. static load capacity
- Designed to be used with TIP-ON BLUMOTION touch-to-open system
- Full extension concealed runners
- Frameless or blocked-out face frame cabinets
- BLUMOTION soft closing
- MOVENTO smooth running action
- Available in 12" to 21" lengths
- 16mm (5/8") drawer thickness



Runners



Components

Part #	Drawer Length	Runner Length	Minimum Inside Cabinet Depth	Maximum Drawer Thickness	Dynamic Load Capacity	Carton Quantity
763.5330S	533 (21")	544 (21-7/16")	553 (21-13/16")	16mm (5/8")	125 lbs.	6 Pairs
763.4570S	457 (18")	468 (18-7/16")	477 (18-13/16")	16mm (5/8")	125 lbs.	6 Pairs
763.3810S	381 (15")	392 (15-7/16")	401 (15-13/16")	16mm (5/8")	125 lbs.	6 Pairs
763.3050S	305 (12")	316 (12-7/16")	325 (12-13/16")	16mm (5/8")	125 lbs.	6 Pairs

Mounting Screws Sold Separately *see page H-21*
Heavy Duty Runners Available, Please Inquire.

TIP-ON BLUMOTION Unit & Trigger



1 Set Required Per Drawer

- Enables MOVENTO drawers to be opened with just a light touch at the drawer front and retain BLUMOTION soft closing action
- Fully mechanical motion
- Can be used with or without pulls
- Minimum Inside Drawer Width: 281mm (11-1/16")
- Synchronization adaptors included

Part #	Drawer Length	Load Capacity	Carton Quantity
T60L7140	305mm (12")	0-44 lbs.	20 pcs.
T60L7340	381mm (15") - 533mm (21")	0-44 lbs.	20 pcs.
T60L7540	381mm (15") - 533mm (21")	44-88 lbs.	20 pcs.
T60L7570	457mm (18") - 610mm (24")	88-155 lbs.	20 pcs.

Front Locking Device

Standard with Side-to-Side Adjustment



- Captive right device and self-aligning left device
- Self-adjusting drawer length tolerance
- Steel base with synthetic, spring-loaded release levers
- For use with MOVENTO runners only

1 Left (*L) & 1 Right (*R) Required Per Drawer

Part #	Minimum Inside Drawer Width	Adjustments	Carton Quantity
T51.7601*	170mm (6-11/16")	+/- 1.5 (1/16")	100 pcs.
606N-100	#6 x 5/8" Screws		100 pcs.

Synchronization Rod & Adaptor

TIP-ON BLUMOTION synchronization

Recommended for all widths for optimal function

Synchronization Adaptors

- To be used with synchronization rod
- Two required per application

T60.000D
Carton Quantity: 80
Carton Quantity: 160

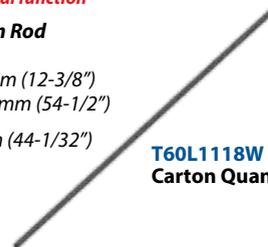


Synchronization Rod

Opening Width:
Minimum: 314mm (12-3/8")
Maximum: 1385mm (54-1/2")

Length: 1118mm (44-1/32")
Cut to size

T60L1118W
Carton Quantity: 40





Blum AVENTOS Lift Systems



Optimal Access

AVENTOS lift systems for upper cabinet doors give optimal access to the contents of the cabinet and move the door completely out of the way when opened. They also ensure easy access to the handle in any position, even on tall wall cabinets.



Easy Installation and Assembly

Installation is fast and precise. Lever arms and doors snap on easily with our proven CLIP technology so there is no need for tools. 3-Dimensional cam adjustments enable doors to be positioned precisely.

- Effortless opening with just a light pull - even heavy doors
- TIP-ON push to open option
- Integrated **BLUMOTION** soft close for an amazingly quiet close
- Easy assembly & installation
- 3-Dimensional cam adjustments enables doors to be positioned & tensioned precisely



Smooth and Silent

With AVENTOS, even heavy doors open with just a light pull of the handle and stay in any position, up and out of the way. BLUMOTION soft close is available with every AVENTOS lift system for an amazingly quiet close every time.

Applications

 Stay Lift AVENTOS HK-XS	 Stay Lift AVENTOS HK-S	 Stay Lift AVENTOS HK	 Bi-Fold AVENTOS HF	 Bi-Fold AVENTOS HL
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Calculating the Power Factor

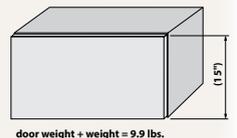
To select the correct lift mechanism for a given application, the power factor must first be calculated by using the formula below. Use the table at the bottom of the page to convert ounces into decimal form for easy calculations.

Power Factor= cabinet height (inch) x door weight* (lb.)

*Including twice the handle weight

Example:

- Cabinet height: 15 inches (within possible range)
- Door weight including twice the handle weight - 9.9 lbs.
- Power Factor= 15 x 9.9
- Power Factor= 148.5
- A power factor of 148.5 requires lift mechanism 20K1501



WEIGHT CONVERSION CHART

oz.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
lb.	.1	.1	.2	.3	.3	.4	.4	.5	.6	.6	.7	.8	.8	.9	.9



Blum AVENTOS Lift Systems

AVENTOS HK-XS with BLUMOTION



Power Factor= cabinet height (inch) x door weight* (lb.)



- Stay / Lift
- Used for small single door applications
- Swings upward for a complete view of cabinet interior
- 95° - 110° opening angle (depending on hinge type)

Maximum Inside Cabinet Width: 70-1/2"
 Maximum Inside Cabinet Height: 22-1/2"
 Minimum Inside Cabinet Height: 7-7/8"
 Minimum Inside Cabinet Depth: 5"

SERVO-DRIVE AVAILABLE
 See page H-29

	Required	Part #	Description	Power Factor	
LIFT MECHANISM SET		20K1101	Lift Mechanism Note: depending on power factor, two lift mechanisms may be required Screws sold separately - #606N-100, see page H-21	17 - 60 34 - 120 (2 Units)	
		20K1301		61 - 112 121 - 224 (2 Units)	
		20K1501		113 - 156 225 - 312 (2 Units)	
MOUNTING PLATES		20K5101	Screw Mount Frameless Cabinet Mounting Plate, Works with wood or all type aluminum frame doors Screws sold separately - #606N-100, see page H-21	N/A	
		20K5501		Screw Mount Face Frame Cabinet Mounting Plate Works with Wood Doors Screws sold separately - #606N-100, see page H-21	N/A
HINGES		71B3580	Screw Mount CLIP top BLUMOTION Hinge for Frameless Application, Wood or Wide Frame Aluminum Doors Screws sold separately - #606N-100, see page H-21 Achieve 110° opening angle	N/A	
		71B950A		Press In Hinge for Narrow Aluminum Frame Doors Achieve 95° opening angle	N/A
		177H3100E		Hinge Mounting Plate for Frameless Application, Wood or All Type Aluminum Frame Doors Screws sold separately - #606N-100, see page H-21	N/A
		39C358B.20		Press In COMPACT BLUMOTION Hinge for Face Frame Application, Wood or All Type Aluminum Frame Doors 1-1/4" Overlay - Achieve 100° opening angle	N/A
DOOR MOUNTING PLATE		20K4101	Door Mounting Plate for All Wood & Wide Aluminum Frame Doors	N/A	
		20K4101A		Door Mounting Plate for Narrow Aluminum Doors	N/A

TIP-ON for AVENTOS HK-XS



Power Factor= cabinet height (inch) x door weight* (lb.)

	Required	Part #	Description	Power Factor	
LIFT MECHANISM SET		20K1101T	Lift Mechanism Note: depending on power factor, two lift mechanisms may be required Screws sold separately - #606N-100, see page H-21	17 - 60 34 - 120 (2 Units)	
		20K1501T		113 - 156 225 - 312 (2 Units)	
MOUNTING PLATES		20K5101	Screw Mount Frameless Cabinet Mounting Plate, Works with wood or all type aluminum frame doors Screws sold separately - #606N-100, see page H-21	N/A	
		20K5501		Screw Mount Face Frame Cabinet Mounting Plate Works with Wood Doors Screws sold separately - #606N-100, see page H-21	N/A
HINGES		70T3580.TL	Screw Mount Free Swing Hinge for Frameless Application, Wood or Wide Frame Aluminum Doors, Screws sold separately - #606N-100, see page H-21 Achieve 110° opening angle	N/A	
		72T550A.TL		Press In Hinge for Narrow Aluminum Frame Doors Achieve 95° opening angle	N/A
		175H3100		Hinge Mounting Plate for Frameless Application, Wood or All Type Aluminum Frame Doors Screws sold separately - #606N-100, see page H-21	N/A
		39C358B.20		Press In COMPACT BLUMOTION Hinge for Face Frame Application, Wood or All Type Aluminum Frame Doors 1-1/4" Overlay - Achieve 100° opening angle	N/A
DOOR MOUNTING PLATE		20K4101	Door Mounting Plate for All Wood & Wide Aluminum Frame Doors	N/A	
		20K4101A		Door Mounting Plate for Narrow Aluminum Doors	N/A
TIP-ON MECHANISM (Push to Open)		956.1004	TIP-ON Mechanism for Door Heights 400mm or less	N/A	
		956A1004		TIP-ON Mechanism for Door Heights Greater than 400mm	N/A

Blum AVENTOS Lift Systems



AVENTOS HK-S with BLUMOTION



Power Factor = cabinet height (inch) x door weight* (lb.)

	Required	Part #	Description	Power Factor
LIFT MECHANISM SET		20K2B00.N6	Lift Mechanism Set Includes left & right arm, left & right cover plate & installation screws	19 - 39
		20K2C00.N6		40 - 85
		20K2E00.N6		86 - 177
MOUNTING HARDWARE <i>Choose 1 Option Depending On Application</i>	2 Required	175H3100	Mounting Hardware for Wood or Wide Aluminum Frame Doors Works with frameless & face frame cabinets Screws sold separately - #606N-100, see page H-21	N/A
	Required			20K4A00A01
RESTRICTION CLIP	Optional	20K7A41	100° angle restriction clip	N/A
	Optional	20K7A11	75° angle restriction clip	N/A

- Stay / Lift
- Used for smaller single door applications
- Swings upward for a complete view of cabinet interior
- 107° opening angle

Maximum Inside Cabinet Width: 70-1/2"

Minimum Inside Cabinet Width: 13-1/2"

Maximum Inside Cabinet Height: 22-1/2"

Minimum Inside Cabinet Height: 5-7/8"

Minimum Inside Cabinet Depth: 6-1/2"

TIP-ON for AVENTOS HK-S



Power Factor = cabinet height (inch) x door weight* (lb.)

	Required	Part #	Description	Power Factor
LIFT MECHANISM SET		20K2B00TN6	Lift Mechanism Set Includes left & right arm, left & right cover plate & installation screws	19 - 39
		20K2C00TN6		40 - 85
		20K2E00TN6		86 - 177
MOUNTING HARDWARE <i>Choose 1 Option Depending On Application</i>	2 Required	175H3100	Mounting Hardware for Wood or Wide Aluminum Frame Doors Works with frameless & face frame cabinets Screws sold separately - #606N-100, see page H-21	N/A
	Required			20K4A00A01
RESTRICTION CLIP	Optional	20K7A41	100° angle restriction clip	N/A
	Optional	20K7A11	75° angle restriction clip	N/A
TIP-ON MECHANISM (Push to Open) <i>Choose 1 Option Depending On Application</i>	Optional	956.1004	TIP-ON Mechanism for Door Heights 400mm or less	N/A
		956A1004	TIP-ON Mechanism for Door Heights Greater than 400mm	N/A



Blum AVENTOS Lift Systems

AVENTOS HK TOP with BLUMOTION



- Stay / Lift
- Used for single door applications
- Self positioning mechanism with locating template allows for easier installation
- Opening angle adjustable between 75° & 107°
- Swings upward for a complete view of cabinet interior

Power Factor= cabinet height (inch) x door weight* (lb.)

		Part #	Description	Power Factor		
LIFT MECHANISM SET	<i>Required</i> 	22K2300	Lift Mechanism Set Includes left & right mechanism, & installation screws	36-139		
		22K2500		80-240		
		22K2700		150-450		
		22K2900		270-781		
COVER SET	<i>Required</i> 	22K8000.NA-*	Cover Set Includes left & right mechanism cover plate, & 2 non-handed cover caps	N/A		
		2 Colors Available Dark Gray: *DG Light Gray: *LG				
MOUNTING HARDWARE SET	<i>Required</i> 	20S4200	Mounting Hardware Set for Wood or Wide Aluminum Frame Doors Screws sold separately - #606N-100, see page H-21	N/A		
		20S4F01			Mounting Hardware Set for Large Overlay Doors Screws sold separately - #606N-100, see page H-21	
		20S4200A				Mounting Hardware Set for Narrow Aluminum Frame Doors Screws sold separately - #606N-100, see page H-21
		20S42T1				
<i>Optional</i>	22K6001	Left & Right Brackets and 12 Mounting Screws Included	N/A			
<i>Optional</i>	22K6001					

TIP-ON for AVENTOS HK TOP



Power Factor= cabinet height (inch) x door weight* (lb.)

		Part #	Description	Power Factor		
LIFT MECHANISM SET	<i>Required</i> 	22K2300T	Lift Mechanism Set Includes left & right mechanism, & installation screws	36-139		
		22K2500T		80-240		
		22K2700T		150-450		
		22K2900T		270-781		
COVER SET	<i>Required</i> 	22K8000.NA-*	Cover Set Includes left & right mechanism cover plate, & 2 non-handed cover caps	N/A		
		2 Colors Available Dark Gray: *DG Light Gray: *LG				
MOUNTING HARDWARE SET	<i>Required</i> 	20S4200	Mounting Hardware Set for Wood or Wide Aluminum Frame Doors Screws sold separately - #606N-100, see page H-21	N/A		
		20S4F01			Mounting Hardware Set for Large Overlay Doors Screws sold separately - #606N-100, see page H-21	
		20S4200A				Mounting Hardware Set for Narrow Aluminum Frame Doors Screws sold separately - #606N-100, see page H-21
		20S42T1				
<i>Optional</i>	22K6001	Left & Right Brackets and 12 Mounting Screws Included	N/A			
<i>Optional</i>	22K6001					
TIP-ON MECHANISM (Push to Open)	<i>Optional</i> 			^956.1004	TIP-ON Mechanism for Door Heights 400mm or less	N/A
				^956A1004		

- Maximum Inside Cabinet Width:** 72"
- Minimum Inside Cabinet Width:** 15"
- Maximum Inside Cabinet Height:** 24"
- Minimum Inside Cabinet Height:** 10"
- Minimum Inside Cabinet Depth:** 7-3/8"

SERVO-DRIVE AVAILABLE
[See page H-29](#)

Note:

For wide cabinets, we recommend an additional lift mechanism be attached on the center panel to prevent the middle of the front from sagging when open. If using a third lift mechanism for wider applications (power factor increases by up to 50%), we recommend a trial application.

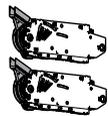
^Stocked in gray.
Black or white available.
Please Inquire

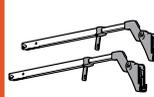
Blum AVENTOS Lift Systems

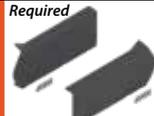
AVENTOS HF

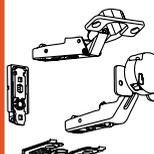


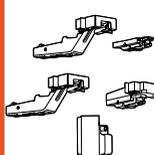
Power Factor= cabinet height (inch) x the combined weight of both doors (lb.) including the handle

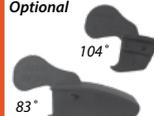
		Part #	Description	Power Factor
LIFT MECHANISM SET	<i>Required</i> 	20F2200.N5	Lift Mechanism Set Includes left & right mechanism, & installation screws	231-470
		20F2500.N5		471-880
		20F2800.N5		780-1440

		Part #	Description	Cabinet Height
TELESCOPIC ARM SET	<i>Required</i> 	20F3200.01	Telescopic Arm Set Includes left & right arm	18-7/8"-22"
		20F3500.01		22"-27"
		20F3800.01		27-35"
		20F3900.01		35"-42"

		Part #	Description
COVER SET	<i>Required</i> 	20F8020.NA-* 3 Colors Available Dark Gray: *DG Light Gray: *LG Silk White: *SW	Cover Set Includes left & right mechanism cover plate, & 2 non-handed cover caps

MOUNTING HARDWARE SET	<i>Required</i> 	78Z5530TA8	Mounting Hardware Set for Wood or Wide Aluminum Frame Doors Includes 2 x 120° free swing hinges, 2 x 33° free swing hinges, 2 x CLIP top bottom door hinges, 2 x mounting plates, 4 x face frame adapters, 2 x arm mounting plates. Screws sold separately - #606N-100, see page H-21
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<i>Choose 1 Option Depending On Application</i>	<i>Required</i> 	78Z550ATA6	Mounting Hardware Set for Narrow Aluminum Frame Doors Includes 2 x 120° free swing top door hinges, 2 x bottom door hinges, 2 x top door mounting plates, 2 x bottom door mounting plates, 4 x arm mounting plates, 8 x aluminum mounting screws (not shown).
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RESTRICTION CLIP	<i>Optional</i> 	20F7051	104° angle restriction clip
		20F7011	83° angle restriction clip

- Bi-Fold / Lift-Up
- Used for two-part door applications
- Hardware set includes a "release" feature for finger safety
- 120° opening angle

Maximum Inside Cabinet Width: 70-1/2"

Minimum Inside Cabinet Width: 13-1/2"

Maximum Inside Cabinet Height: 40-1/2"

Minimum Inside Cabinet Height: 17-3/8"

Minimum Inside Cabinet Depth: 11"

SERVO-DRIVE AVAILABLE
See page H-29



Blum AVENTOS Lift Systems

AVENTOS HL



How to Order:

- 1) Choose lift mechanism according to door weight, including handle.
- 2) Choose arm assembly according to cabinet height.



		Part #	Description	Door Weight
LIFT MECHANISM SET	Required	20L2100.N5	Lift Mechanism Set Includes left & right mechanism, & installation screws	2- 8 lbs.
		20L2300.N5		2- 13 lbs.
		20L2500.N5		3- 25 lbs.
		20L2700.N5		10- 28 lbs.
		20L2900.N5		■ 19- 44 lbs.

■ Weight will drop to 36 lbs. if used in combination with the 20L3900 arm

		Part #	Description	Cabinet Height	Minimum Opening
ARM ASSEMBLY SET	Required	20L3200.06	Arm Assembly Set	11-13/16" - 13-3/4"	10-5/16"
		20L3500.06	Includes left & right assembly, & 2 x stabilizer rod cover	13-13/16" - 15-11/16"	12-5/16"
		20L3800.06		15-3/4" - 21-5/8"	14-1/4"
		20L3900.06		17-11/16" - 22-13/16"	16-1/4"

- Lift-Up
- Used for single door applications
- Perfect for appliance garages
- Opens parallel to cabinet

Maximum Inside Cabinet Width:	70-1/2"
Minimum Inside Cabinet Width:	13-1/2"
Maximum Inside Cabinet Height:	21-5/16"
Minimum Inside Cabinet Height:	10-5/16"
Minimum Inside Cabinet Depth:	11"

SERVO-DRIVE AVAILABLE
See page H-29

		Part #	Description
COVER SET	Required	20L8020.NA-* 3 Colors Available Dark Gray: *DG Light Gray: *LG Silk White: *SW	Cover Set Includes left & right mechanism cover plate, & 2 non-handed cover caps
STABILIZER ROD	Required	20Q1061UA	41-3/4" Stabilizer Rod (to be cut to size) Rod length = interior cabinet opening less 5-1/16"
MOUNTING HARDWARE SET	Required	20S4200	Mounting Hardware Set for Wood or Wide Aluminum Frame Doors Screws sold separately - #606N-100, see page H-21
	Required	20S4F01	Mounting Hardware Set for Large Overlay Doors Screws sold separately - #606N-100, see page H-21
	Choose 1 Option Depending On Application Required	20S4200A	Mounting Hardware Set for Narrow Aluminum Frame Doors Screws sold separately - #606N-100, see page H-21
	Required	20S42T1	Mounting Hardware for Thin Door Fronts (8-14mm) 2 Required per Aventos Kit
STABILIZER ROD CONNECTING SET	Optional	20Q153ZA	Stabilizer Rod Connecting Set for Cabinets Greater Than 46-1/2" W Includes connector rod, 2 x top cap, mounting hook



Blum SERVO-DRIVE for AVENTOS

AVENTOS lift systems can now open doors with just a light touch - and then close them again with the press of a button. An inspiring feature that is certain to impress, thanks to SERVO-DRIVE for AVENTOS, the new electric support for lift systems. Discover for yourself how easy the opening and closing of doors can be.

SERVO-DRIVE for AVENTOS HF

	Part #	Description
SERVO-DRIVE SET	21FA000	Set Includes: Drive Unit, 60" Universal Cable, Cable Connector & 2 Cable End Protectors
COVER SET	21F8020.NA-* 3 Colors Available Dark Gray: *DG Light Gray: *LG Silk White: *SW	Set Includes: SERVO-DRIVE Cover Plate (Left), AVENTOS HF Cover Plate (Right), 2 Non-Handed Cover Caps, 2 SERVO-DRIVE Switches, 6x5mm Distance Bumpers
POWER SUPPLY SET	Z10NE03UG10NG	Set Includes: Power Supply, Wall Mount Bracket, 3-Prong Power Cord, Cable Connector, 3 Cable End Protectors, 10 Cable Clips, 19 ft. Universal Cable, Technical Manual

SERVO-DRIVE for AVENTOS HL

	Part #	Description
SERVO-DRIVE SET	21FA000	Set Includes: Drive Unit, 60" Universal Cable, Cable Connector & 2 Cable End Protectors
COVER SET	21L8020.NA-* 3 Colors Available Dark Gray: *DG Light Gray: *LG Silk White: *SW	Set Includes: SERVO-DRIVE Cover Plate (Left), AVENTOS HL Cover Plate (Right), 2 Non-Handed Cover Caps, 2 SERVO-DRIVE Switches, 4x5mm Distance Bumpers
ARM ASSEMBLY SET	21L3200.01 21L3500.01 21L3800.01 21L3900.01	300 (11-13/16") - 349 (13-3/4") Cabinet Height 350 (13-13/16") - 399 (15-13/16") Cabinet Height 400 (15-3/4") - 550 (21-5/8") Cabinet Height 450 (17-11/16") - 580 (22-13/16") Cabinet Height
POWER SUPPLY SET	Z10NE03UG10NG	Set Includes: Power Supply, Wall Mount Bracket, 3-Prong Power Cord, Cable Connector, 3 Cable End Protectors, 10 Cable Clips, 19 ft. Universal Cable, Technical Manual

SERVO-DRIVE for AVENTOS HK TOP

	Part #	Description
SERVO-DRIVE SET	23KA000	Set Includes: Drive Unit, 60" Universal Cable, Cable Connector & 2 Cable End Protectors
COVER SET	23K8000.NA-* 2 Colors Available Dark Gray: *DG Light Gray: *LG	Set Includes: SERVO-DRIVE Cover Plate (Left), AVENTOS HK Cover Plate (Right), 2 Non-Handed Cover Caps, 2 SERVO-DRIVE Switches, 6x5mm Distance Bumpers
POWER SUPPLY SET	Z10NE03UG10NG	Set Includes: Power Supply, Wall Mount Bracket, 3-Prong Power Cord, Cable Connector, 3 Cable End Protectors, 10 Cable Clips, 19 ft. Universal Cable, Technical Manual



- A light touch on the front using either your hand or elbow is all that is required for opening
- Comfortable and easy closing provided by the easy to reach switch on the cabinet side
- Completely safe even when the switch has been pressed for closing; the closing procedure is halted when the user reaches into the cabinet
- Cabinets with SERVO-DRIVE for AVENTOS can be easily opened manually in the event of a power outage
- Up to three drive units can be set for synchronized motion; ideal for multiple cabinets that share one wide door
- Collision avoidance feature for corner cabinets to insure that only one door opens at a time



Premium Metal Drawer System with TIP-ON BLUMOTION



- TIP-ON opening mechanism plus BLUMOTION Soft Close
- 3 dimensional drawer front adjustment
- 88 lb. load capacity (155 lb. option available)

Available Heights:

M Height:
3-9/16" (90.5 mm)



K Height:
5-1/16" (128.5 mm)



C Height:
7" (177 mm)



F Height:
9-1/2" (241 mm)



Stock Lengths: 18", 20", 22" Other Lengths Available - Please Inquire

Available Finishes:



Stainless Steel

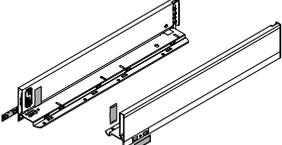
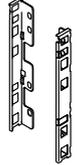


Orion Gray



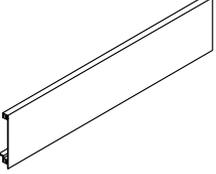
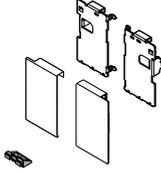
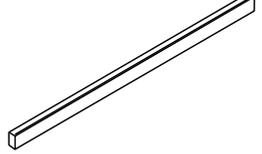
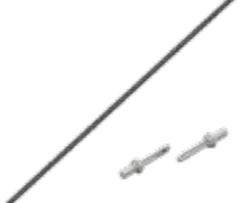
Premium Metal Drawer System with TIP-ON BLUMOTION

Required Components

<p>see below</p>  <p>Cabinet Profile mounts to cabinet with #7 x 5/8" wood screws or 5mm x 13mm system. Screws sold separately.</p> <p>TIP-ON Unit & Trigger Tool free assembly</p>	<p>see pages H-33</p>  <p>Drawer Profile mounts with #6 x 1/2" truss head. Screws sold separately.</p>	 <p>Front Fixing Bracket (2 per drawer) mounts with #6 x 1/2" truss head. Screws sold separately.</p>	 <p>Rear Fixing Bracket Set (1 per drawer) mounts with #6 x 1/2" truss head. Screws sold separately.</p>
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Optional Components

see page H-33

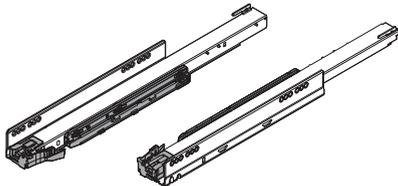
 <p>Interior Roll Out Front Piece for M Height - Field Cuttable</p>	 <p>Interior Front Fixing Bracket Set</p>	 <p>Cross Rail for Interior Front Piece for C Height - Field Cuttable</p>	 <p>Assembly Aid - LEGRABOX starter kit</p>	 <p>Synchronization Rod & Adaptor - Field Cuttable</p>
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AMBIA-LINE Accessories Available for Added Organization [see page H-37](#)

Required Components

Cabinet Profile

Works with all drawer heights

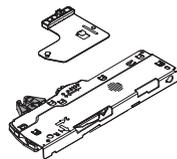


Part #	Nominal Length	Actual Length
750.4501S	18"	17-11/16"
750.5001S	20"	19-11/16"
750.5501S	22"	21-5/8"

TIP-ON BLUMOTION Unit & Trigger

Works with all drawer heights
For Drawers 44-88 lbs.

T60L7540



Mounting Screws Sold Separately [see page H-33](#)



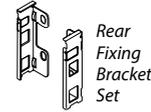
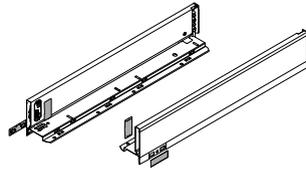


Premium Metal Drawer System
with TIP-ON BLUMOTION
Required Components

Drawer Profiles



M Height:
3-9/16" (90.5 mm)

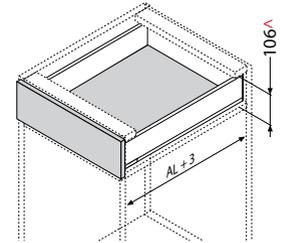


Part #	Nominal Length	Actual Length	Finish
770M4502*	18"	17-11/16"	Orion Gray (*S) Stainless Steel (*I)
770M5002*	20"	19-11/16"	
770M5502*	22"	21-5/8"	

Part #	Description
ZF7M7002	Front fixing bracket
ZF7M70T2	Front fixing Bracket for Thin Doors (2 Required)
ZB7M000S	Rear fixing bracket set

Mounting Screws Sold Separately see page H-33

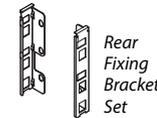
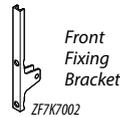
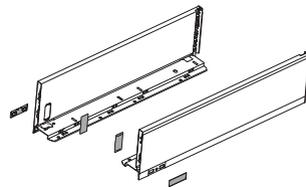
Space Requirements



AL = actual cabinet profile length
^ minimum opening height based on 3 (1/8") clearance



K Height:
5-1/16" (128.5 mm)

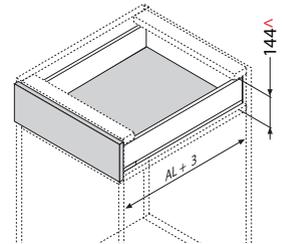


Part #	Nominal Length	Actual Length	Finish
770K4502*	18"	17-11/16"	Orion Gray (*S) Stainless Steel (*I)
770K5002*	20"	19-11/16"	
770K5502*	22"	21-5/8"	

Part #	Description
ZF7K7002	Front fixing bracket
ZF7K70T2	Front fixing Bracket for Thin Doors (2 Required)
ZB7K000S	Rear fixing bracket set

Mounting Screws Sold Separately see page H-33

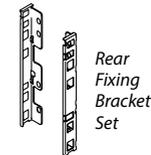
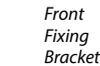
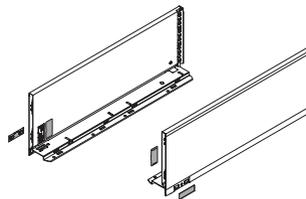
Space Requirements



AL = actual cabinet profile length
^ minimum opening height based on 3 (1/8") clearance



C Height:
7" (177 mm)

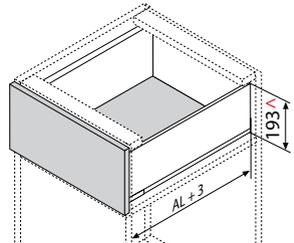


Part #	Nominal Length	Actual Length	Finish
770C4502*	18"	17-11/16"	Orion Gray (*S) Stainless Steel (*I)
770C5002*	20"	19-11/16"	
770C5502*	22"	21-5/8"	

Part #	Description
ZF7C70T2	Front fixing Bracket for Thin Doors (2 Required)
ZB7C000S	Rear fixing bracket set

Mounting Screws Sold Separately see page H-33

Space Requirements



AL = actual cabinet profile length
^ minimum opening height based on 3 (1/8") clearance

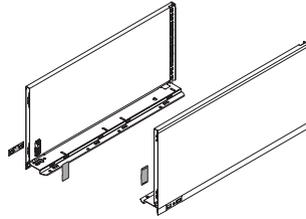
Premium Metal Drawer System with TIP-ON BLUMOTION

Required Components

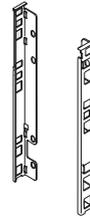
Drawer Profiles



F Height:
9-1/2" (241 mm)

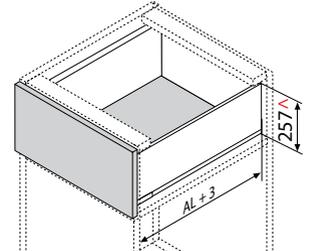


ZF7M7002
Front Fixing Bracket



Rear Fixing Bracket Set

Space Requirements



AL = actual cabinet profile length
Δ minimum opening height based on 3 (1/8") clearance

Part #	Nominal Length	Actual Length	Finish
770F4502*	18"	17-11/16"	Orion Gray (*S) Stainless Steel (*I)
770F5002*	20"	19-11/16"	
770F5502*	22"	21-5/8"	

Part #	Description
ZF7M7002	Front fixing bracket
ZB7F000S	Rear fixing bracket set

NOTE: Use 6 pcs. of ZF7M7002 required per drawer

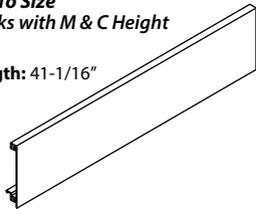
Mounting Screws Sold Separately *see below*

Optional Components

For All LEGRABOX Models

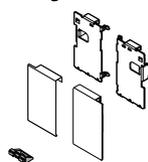
Interior Roll Out Front Piece
Cut To Size
Works with M & C Height

Length: 41-1/16"



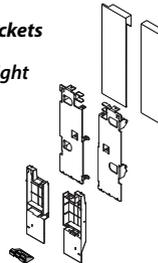
ZV7.1043C01S
(Orion Gray)
ZV7.1043C01N
(Brushed Nickel)

Front Fixing Brackets for Front Piece
Works with M Height



Z17.0MS
(Orion Gray)
Z17.0MI
(Stainless Steel)

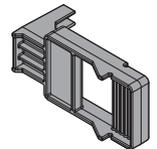
Front Fixing Brackets for Front Piece
Works with C Height



Z17.3CS
(Orion Gray)
Z17.3CN
(Brushed Nickel)

For TIP-ON BLUMOTION

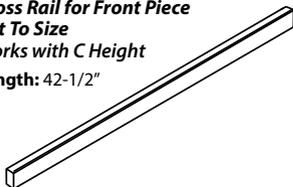
Front Gap Template
Used for creating a 2.5mm (3/32")
front gap



65.5631.US

Cross Rail for Front Piece
Cut To Size
Works with C Height

Length: 42-1/2"



ZR71080US
(Orion Gray)
ZR71080UN
(Brushed Nickel)

Assembly Aid Clamp System Starter Kit
Set includes adjustable clamp for all heights & lengths,
boring template & torx 20 screw driver

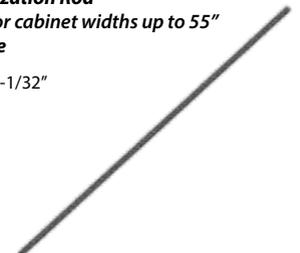


ZMM.0700.20

For TIP-ON BLUMOTION for LEGRABOX

Synchronization Rod
Suitable for cabinet widths up to 55"
Cut To Size

Length: 44-1/32"



T60L118W

Synchronization Adaptors

- To be used with synchronization rod
- Two required per application



T60.000D
Carton Quantity: 80
Carton Quantity: 160

Synchronization is recommended for all applications for optimal function.

Mounting Screws

Part #	Description	Work With:	Pieces Per Carton
707N-100	#7 x 5/8" Wood Screws	Cabinet Profile & Tip-On Unit	100
612TH-100	#6 x 1/2" Truss Head Screws	Drawer Profile & Mounting Brackets	100
661.1300.HG	5 x 13mm Euro Screws	Cabinet Profile	100

Packed in bags of 100 pcs. - NO BROKEN BOXES



Premium Metal Drawer System with BLUMOTION Soft Close



- BLUMOTION Soft Close
- 3 dimensional drawer front adjustment
- 88 lb. load capacity (155 lb. option available)

Available Heights:

M Height:
3-9/16" (90.5 mm)



K Height:
5-1/16" (128.5 mm)



C Height:
7" (177 mm)



F Height:
9-1/2" (241 mm)



Stock Lengths: 18", 20", 22" Other Lengths Available - Please Inquire

Available Finishes:



Stainless Steel



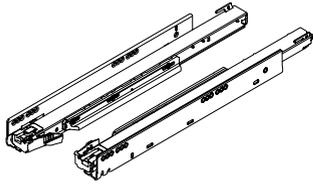
Orion Gray



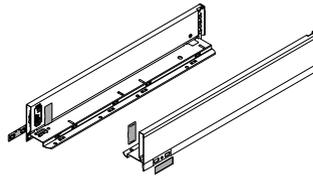
Premium Metal Drawer System with BLUMOTION Soft Close

Required Components

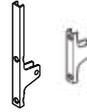
see below



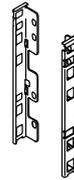
Cabinet Profile mounts to cabinet with #7 x 5/8" wood screws or 5mm x 13mm system. Screws sold separately.



Drawer Profile mounts with #6 x 1/2" truss head. Screws sold separately.



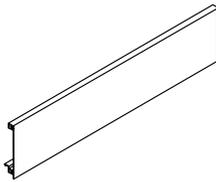
Front Fixing Bracket (2 per drawer) mounts with #6 x 1/2" truss head. Screws sold separately.



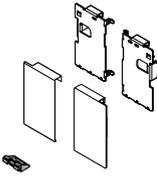
Rear Fixing Bracket Set (1 per drawer) mounts with #6 x 1/2" truss head. Screws sold separately.

Optional Components

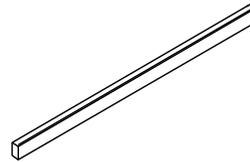
see page H-37



Interior Roll Out Front Piece for M Height - Field Cuttable



Interior Front Fixing Bracket Set



Cross Rail for Interior Front Piece - used for C height



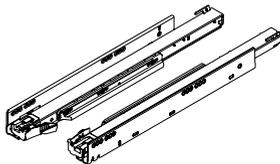
Assembly Aid - LEGRABOX starter kit

AMBIA-LINE Accessories Available for Added Organization see page H-37

Required Components

Cabinet Profile

Works with all drawer heights



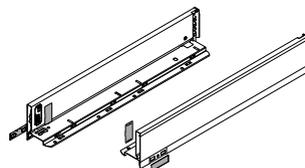
Part #	Nominal Length	Actual Length
750.4501S	18"	17-11/16"
750.5001S	20"	19-11/16"
750.5501S	22"	21-5/8"

Mounting Screws Sold Separately see page H-37

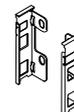


Drawer Profiles

M Height:
3-9/16" (90.5 mm)



Front Fixing Bracket



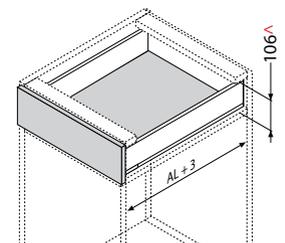
Rear Fixing Bracket Set

Part #	Nominal Length	Actual Length	Finish
770M4502*	18"	17-11/16"	Orion Gray (*S) Stainless Steel (*I)
770M5002*	20"	19-11/16"	
770M5502*	22"	21-5/8"	

Part #	Description
ZF7M7002	Front fixing bracket
ZB7M000S	Rear fixing bracket set

Mounting Screws Sold Separately see page H-37

Space Requirements



AL = actual cabinet profile length
^ minimum opening height based on 3 (1/8") clearance

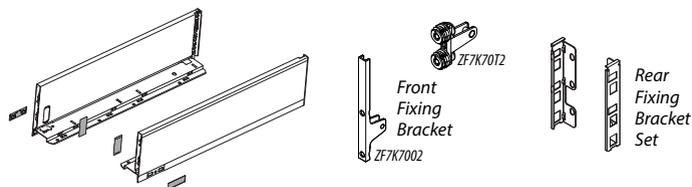


Premium Metal Drawer System with BLUMOTION Soft Close Required Components

Drawer Profiles



K Height:
5-1/16" (128.5 mm)

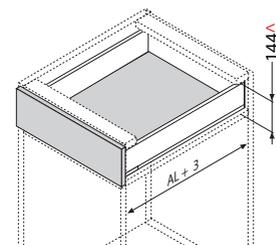


Part #	Nominal Length	Actual Length	Finish
770K4502*	18"	17-11/16"	Orion Gray (*S) Stainless Steel (*I)
770K5002*	20"	19-11/16"	
770K5502*	22"	21-5/8"	

Part #	Description
ZF7K7002	Front fixing bracket
ZF7K70T2	Front fixing Bracket for Thin Doors (2 Required)
ZB7K000S	Rear fixing bracket set

Mounting Screws Sold Separately *see page H-37*

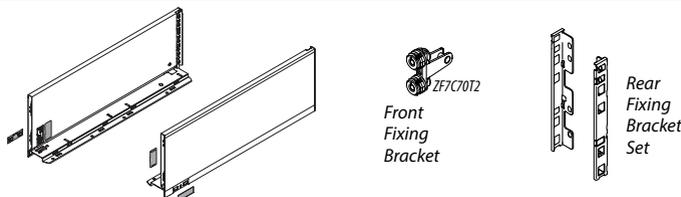
Space Requirements



AL = actual cabinet profile length
 ^ minimum opening height based on
 3 (1/8") clearance



C Height:
7" (177 mm)

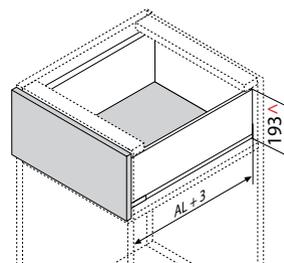


Part #	Nominal Length	Actual Length	Finish
770C4502*	18"	17-11/16"	Orion Gray (*S) Stainless Steel (*I)
770C5002*	20"	19-11/16"	
770C5502*	22"	21-5/8"	

Part #	Description
ZF7C70T2	Front fixing Bracket for Thin Doors (2 Required)
ZB7F000S	Rear fixing bracket set

Mounting Screws Sold Separately *see page H-37*

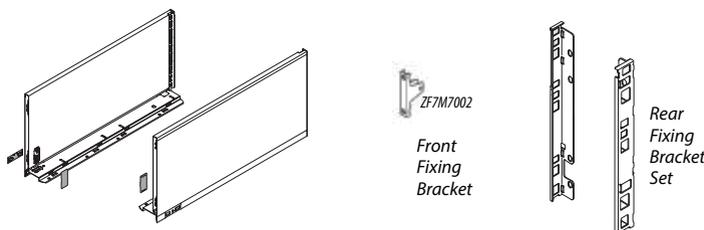
Space Requirements



AL = actual cabinet profile length
 ^ minimum opening height based on
 3 (1/8") clearance



F Height:
9-1/2" (241 mm)



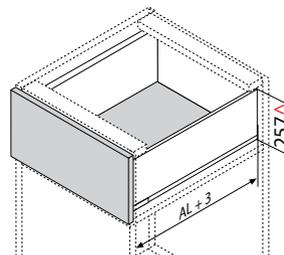
Part #	Nominal Length	Actual Length	Finish
770F4502*	18"	17-11/16"	Orion Gray (*S) Stainless Steel (*I)
770F5002*	20"	19-11/16"	
770F5502*	22"	21-5/8"	

Part #	Description
ZF7M7002	Front fixing bracket
ZB7C000S	Rear fixing bracket set

NOTE: Use 6 pcs. of ZF7M7002 required per drawer

Mounting Screws Sold Separately *see page H-37*

Space Requirements



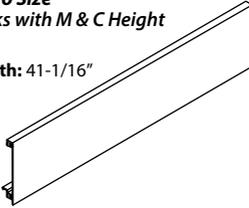
AL = actual cabinet profile length
 ^ minimum opening height based on
 3 (1/8") clearance

**Premium Metal Drawer System
with BLUMOTION Soft Close
Optional Components**

For All LEGRABOX Models

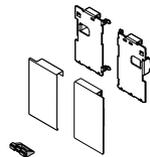
**Interior Roll Out Front Piece
Cut To Size
Works with M & C Height**

Length: 41-1/16"



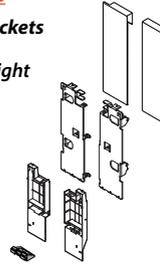
ZV7.1043C01S
(Orion Gray)
ZV7.1043C01N
(Brushed Nickel)

**Front Fixing Brackets
for Front Piece
Works with M Height**



Z17.0MS
(Orion Gray)
Z17.0MI
(Stainless Steel)

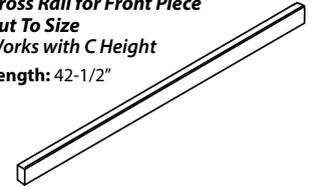
**Front Fixing Brackets
for Front Piece
Works with C Height**



Z17.3CS
(Orion Gray)
Z17.3CN
(Brushed Nickel)

**Cross Rail for Front Piece
Cut To Size
Works with C Height**

Length: 42-1/2"



ZR7108OUS
(Orion Gray)
ZR7108OUN
(Brushed Nickel)

**Assembly Aid
Clamp System Starter Kit**

Set includes adjustable clamp for all heights & lengths,
boring template & torx 20 screw driver

ZMM.0700.20



Mounting Screws

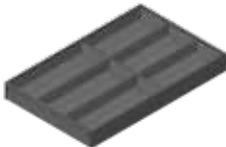
Part #	Description	Work With	Pieces Per Carton
707N-100	#7 x 5/8" Wood Screws	Cabinet Profile	100
612TH-100	#6 x 1/2" Truss Head Screws	Drawer Profile & Mounting Brackets	100
661.1300.HG	5 x 13mm Euro Screws	Cabinet Profile	100

Packed in bags of 100 pcs. - NO BROKEN BOXES

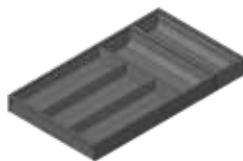
AMBIA-LINE

**Designed to work exclusively with all LEGRABOX systems.
Comes assembled & simply needs to be inserted in your drawer!**

A Flatware Insert



B Flatware Insert



C Narrow Utensil Insert



D Wide Utensil Insert



E Deep Drawer Insert



F Adjustable Width Plate holder



G Knife holder (Holds 9 Knives)



H Spice tray



Part #	Size	Drawer Height	Finish/Material
A ZC7S500BS3	20"L x 12"W x 2"H	M	Orion Gray Nylon w/Soft Touch Coating
B ZC7S550BS3	22"L x 12"W x 2"H	M	Orion Gray Nylon w/Soft Touch Coating
C ZC7S500RS1	20"L x 4"W x 2"H	M	Orion Gray Steel
C ZC7S550RS1	22"L x 4"W x 2"H	M	Orion Gray Steel
D ZC7S500RS2	20"L x 8"W x 2"H	M	Orion Gray Steel
D ZC7S550RS2	22"L x 8"W x 2"H	M	Orion Gray Steel
E ZC7F400RSP	14-9/16"L x 8-9/16"W x 4-3/8"H	C & F	Orion Gray Steel w/Magnetic Back
F ZC7T0350	7-5/16"-12-11/16"W x 6-11/16"H	C & F	Orion Gray Nylon & Stainless Steel w/Non-Slip Bottom
G ZCM0200	16-1/8"L x 7-3/8"W x 1-11/16"H	M	Orion Gray Nylon & Stainless Steel w/Non-Slip Bottom
H ZC7G0P0I	14"L x 7-7/8"W x 3-5/16"H	C & F	Orion Gray Nylon & Stainless Steel w/Non-Slip Bottom



HEAVY DUTY PROGRESSIVE ACTION FULL EXTENSION CABINET SLIDES

(FROM 200-475 LBS. OF DYNAMIC LOAD BEARING CAPACITY)

TOP AND BOTTOM SLIDE WITH SOFT CLOSE MECHANISM

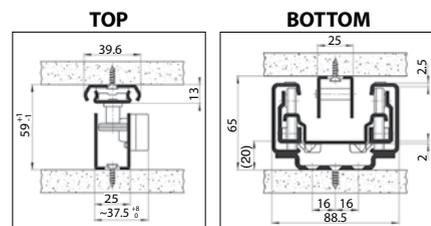
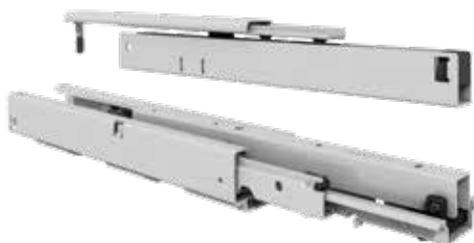
Ideally suited for tall kitchen pantries, vertical cabinet pull-outs at any height or width, heavy duty pull-out space saving applications, special projects or other architecturally engineered projects where smooth running and heavy use is critical.

FEATURES	OI-775	OI-771
LOAD RATING	175 LBS	275 LBS
MAXIMUM CABINET HEIGHT	59"	-
BRAKE (OR STOP)	No	Yes

- Material: White Powder Coated Cold Rolled Steel
- Floor mounted with top slide for lateral stability
- The delrin encased steel ball bearings provides a quiet and optimum movement
- Vertical and horizontal adjustment capabilities allows for alignment after install is complete
- ECD - integrated easy (or soft) close device
- No deflection when extended
- Double sided captive profile (**775 ONLY**)
- Extension is length of slide less approximately 3/4"
- No Lubrication Required!

Note: Lubrication must not be applied to any part of the slide as this will prevent the product from working properly

OI-775

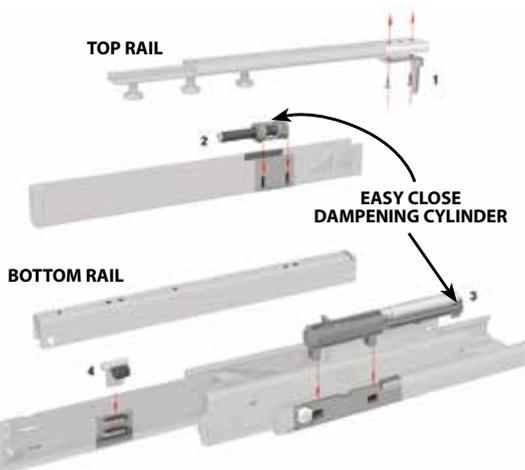


Part #	Slide Length (Nominal)	Actual Length	Extension	Weight By Lbs.
OI-775-16	16"	15.75"	15.16"	11 lbs.
OI-775-18	18"	17.72"	17.13"	12 lbs.
OI-775-20	20"	19.69"	19.10"	13.5 lbs.
OI-775-22	22"	21.65"	21.06"	14.5 lbs.
OI-775-24	24"	23.62"	23.03"	16 lbs.
OI-775-26	26"	25.59"	25.00"	17 lbs.
OI-775-28	28"	27.56"	26.97"	18 lbs.
OI-775-30	30"	29.53"	28.94"	20 lbs.



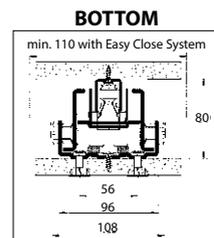
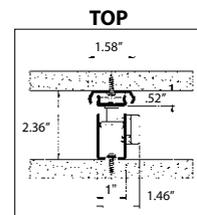
OI-771

TOP RAIL



BOTTOM RAIL

EASY CLOSE DAMPENING CYLINDER



Part #	Slide Length (Nominal)	Actual Length	Extension	Weight By Lbs.
OI-771-22	22"	22.64"	22.01"	19.50 lbs.





HEAVY DUTY PROGRESSIVE ACTION FULL EXTENSION CABINET SLIDES

(FROM 200-475 LBS. OF DYNAMIC LOAD BEARING CAPACITY)

TOP AND BOTTOM SLIDE WITH SOFT CLOSE MECHANISM AVAILABLE

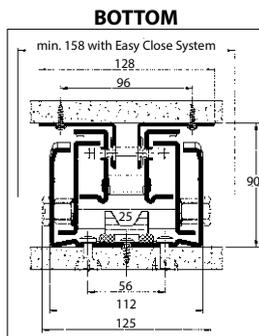
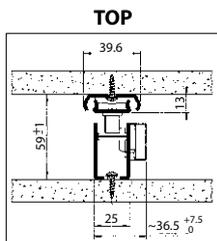
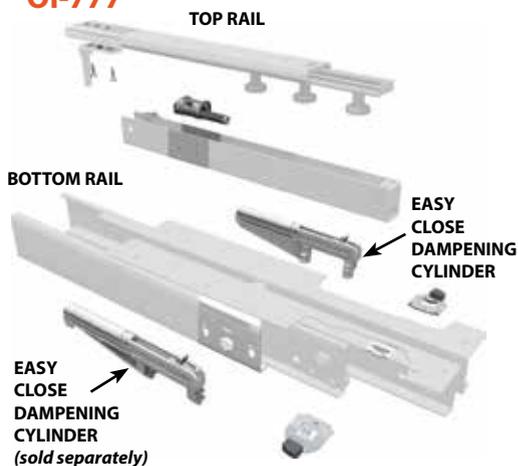
Ideally suited for tall kitchen pantries, vertical cabinet pull-outs at any height or width, heavy duty pull-out space saving applications, special projects or other architecturally engineered projects where smooth running and heavy use is critical.

FEATURES	OI-777
LOAD RATING	450 LBS
MAXIMUM CABINET HEIGHT	-
BRAKE (OR STOP)	Yes

- Material: White Powder Coated Cold Rolled Steel
- Floor mounted with top slide for lateral stability
- The delrin encased steel ball bearings provides a quiet and optimum movement
- Vertical and horizontal adjustment capabilities allows for alignment after install is complete
- No deflection when extended
- Extension is length of slide less approximately 3/4"
- No Lubrication Required!

Note: Lubrication must not be applied to any part of the slide as this will prevent the product from working properly

OI-777



Part #	Slide Length (Nominal)	Actual Length	Extension	Weight By Lbs.
OI-777-16	16"	15.74"	15.12"	20.50 lbs.
OI-777-18	18"	17.72"	17.09"	23 lbs.
OI-777-20	20"	19.69"	19.06"	25 lbs.
OI-777-22	22"	21.65"	21.02"	27.50 lbs.
OI-777-24	24"	23.62"	22.99"	30 lbs.
OI-777-26	26"	25.59"	24.96"	32 lbs.
OI-777-28	28"	27.55"	26.93"	34 lbs.
OI-777-30	30"	29.53"	28.9"	36.50 lbs.
OI-777-32	32"	31.50"	30.87"	39 lbs.
OI-777-34	34"	33.47"	32.83"	41.50 lbs
OI-777-36	36"	35.43"	34.80"	43.50 lbs
OI-777-EZ				Easy Close System Optional

Drawer Slides

at a Glance



100 lb. Full Extension Soft Close Drawer Slide
OI-4505 Series

H-41



75 lb. Full Extension Soft Close Concealed Undermount Slide
OI-4100T Series

H-42



100 lb. Low Profile Full Extension Drawer Slides
OI-5045 Series

H-43



Easy Close Soft Close Dampening System

H-43



Economy 100 lb. Full Extension Slides
OI-9500 Series

H-44



Euro Slides

H-44



Economy 100 lb. Full Extension Slides
With Soft Close

H-45



Stainless Steel Full Extension Drawer Slides
With Soft Close

H-46



100 lb. Full Extension Ball Bearing Slides
With Easy Close (Soft Close) Mechanism

H-47



200 lb. Heavy Duty Full Extension Slides

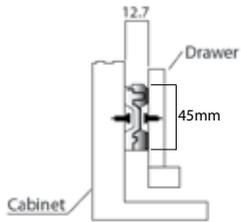
H-47

OI-4505 SERIES

55 lb. Capacity • Soft Close



- Material: Cold Rolled Steel with Zinc Finish
- Anti-slip feature prevents drawer from slipping out when fully extended
- 1/2" side clearance



Part #	Length	Carton Size	Load Rating
OI-4505-14	14"	10 pairs	55 lbs.
OI-4505-16	16"	10 pairs	55 lbs.
OI-4505-18	18"	10 pairs	55 lbs.
OI-4505-22	22"	10 pairs	55 lbs.

SCREWS ONLY FOR DRAWER SLIDES

OI-DRW10-6 (10 pair package) 16 screws required per pair.
Package includes 160 #6 x 5/8" Flat Head Zinc Screws

NOW AVAILABLE

OI-6000 SERIES

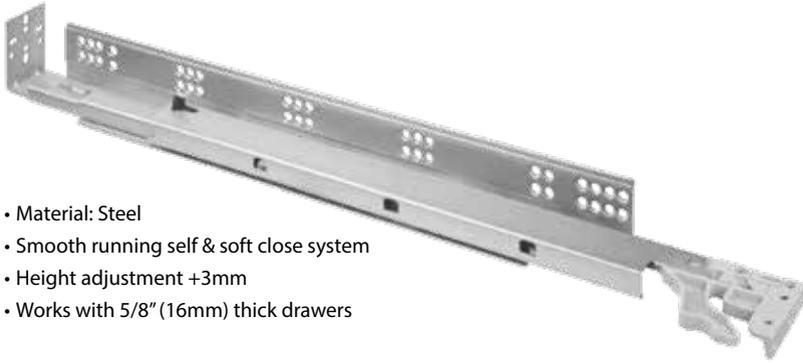
**100 LB. FULL EXTENSION
SOFT CLOSE DRAWER SLIDE**

See page H-45

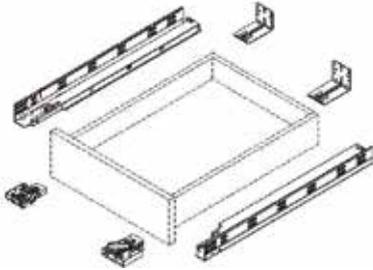
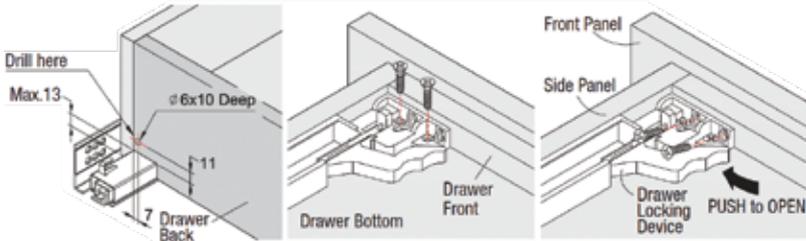
Full Extension Drawer Slides

OI-4100T SERIES

75 lb. Capacity • Soft Close Concealed Undermount



- Material: Steel
- Smooth running self & soft close system
- Height adjustment +3mm
- Works with 5/8" (16mm) thick drawers



Part #	Length	Carton Size	Load Rating
OI-4100T-9	9"	6 pairs	75 lbs.
OI-4100T-12	12"	6 pairs	75 lbs.
OI-4100T-15	15"	6 pairs	75 lbs.
OI-4100T-18	18"	6 pairs	75 lbs.

SCREWS ONLY FOR DRAWER SLIDES

OI-DRW6-6 (6 pair package) 16 screws required per pair.
Package includes 96 #6 x 5/8" Flat Head Zinc Screws

Accessories

UNDERMOUNT ROLLOUT BUMPERS

Material: Polyethylene

- Ideally suited for use with drawers utilizing undermount slides
- When used, will prevent damage to cabinet doors



Part #	Color
R51-C47-WH	White
R51-C47-BE	Beige

FRONT LOCKING DEVICES (Required) with Screws

OI-4100T-FFB



REAR MOUNT BRACKETS (Optional) with Screws

- Use for face frame cabinets only
- 2 pieces required per drawer

OI-4100T-RMB



REAR UNDERMOUNT INSET SOCKET

Material: ABS

OI-276



REAR UNDERMOUNT OVERLAY SOCKET

Material: ABS

OI-280



REAR UNDERMOUNT SOCKET

Material: ABS

OI-680



SPACER

Material: ABS

OI-3640



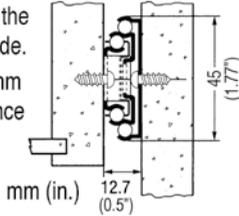
OI-5045 SERIES

Low Profile



12.7 mm (0.5 in.) is the actual size of the slide.

Allow a min. of 13 mm (0.51 in.) for clearance and a maximum of 13.5 mm (0.53 in.)



- Material: Cold rolled steel with steel ball bearings
- Finish: Clear Zinc
- Side mounted with trigger release & hold close detent
- 100 lbs. Load Rating
- 1/2" side spacing
- Trigger release design
- Face Frame hole
- 32 mm screw mounting system

Part #	Length	Carton Size
OI-5045-10	10"	15 pairs
OI-5045-12	12"	15 pairs
OI-5045-14	14"	15 pairs
OI-5045-16	16"	15 pairs
OI-5045-18	18"	15 pairs
OI-5045-20	20"	15 pairs
OI-5045-22	22"	15 pairs
OI-5045-24	24"	15 pairs
OI-5045-26	26"	15 pairs
OI-5045-28	28"	15 pairs

SCREWS ONLY FOR DRAWER SLIDES

OI-DRW10-8

(10 pair package) 18 screws required per pair.
Package includes 180 #8 x 5/8" Flat Head Zinc Screws

Accessories

DRAWER BUMPERS



Material: Polyethylene
Color: White (WH), Beige (BE)

- Put bumpers on drawers to prevent damage to cabinet doors
- Ideal for side mount slides

Part #	Thickness
R51-DB51-WH	29/64" (11.5mm)
R51-DB51-BE	29/64" (11.5mm)
R51-DB18-WH	23/32" (18mm)
R51-DB18-BE	23/32" (18mm)

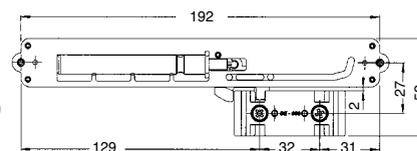
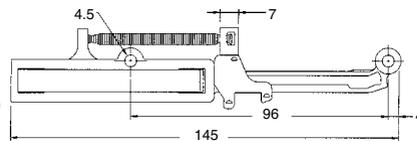
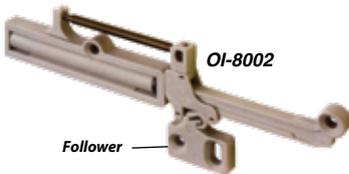
SPACER



Material: ABS
OI-3616

Easy Close Soft Close Dampening System

Works with any drawer slide!



- Material: Gray high impact polystyrene
- 3 models available to accommodate side clearance .39" (10 mm) - .53" (13.5 mm)
- Drawer is softly dampened & pulled shut without slamming
- All mounting hardware & installation instructions included

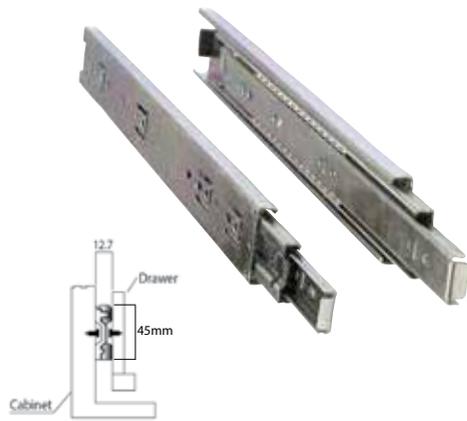
Part #	Drawer Weight	Side Clearance	Packing
OI-8002	Up to 40 lbs. ^	.39" (10 mm)	Per Piece
OI-8001	Up to 75 lbs.	.49" (12.5 mm)	Per Pair
OI-8003	Up to 150 lbs.	.49" (12.5 mm)	Per Pair

^ NON-HANDED-USE 2 PIECES FOR DRAWERS UP TO 80 LBS.

Full Extension Drawer Slides

OI-9500 SERIES

100 lb. Capacity • Economy



- Material: Cold Rolled Steel with Clear Zinc Finish
- Side mounted with release latch for easy disconnect
- Screw mounting system 32mm compatible
- 1/2" side clearance
- Comparable with Dynaslide® 4634, Accuride® 3834 and Knappe & Vogt® 8405.

Part #	Length	Carton Size	Load Rating
OI-9500-12	12"	10 pairs	100 lbs.
OI-9500-20	20"	10 pairs	100 lbs.
OI-9500-22	22"	10 pairs	100 lbs.
OI-9500-24	24"	10 pairs	100 lbs.
OI-9500-26	26"	10 pairs	100 lbs.

Accessories

DRAWER BUMPERS



Material: Polyethylene

Color: White (WH), Beige (BE)

- Put bumpers on drawers to prevent damage to cabinet doors
- Ideal for side mount slides

Part #	Thickness
R51-DB51-WH	29/64" (11.5mm)
R51-DB51-BE	29/64" (11.5mm)
R51-DB18-WH	23/32" (18mm)
R51-DB18-BE	23/32" (18mm)

SCREWS ONLY FOR DRAWER SLIDES

OI-DRW10-6

(10 pair package) 16 screws required per pair.
Package includes 160 #6 x 5/8" Flat Head Zinc Screws

REAR MOUNT METAL SOCKET

Material: Steel
OI-RMB-S



REAR MOUNT PLASTIC SOCKET

Material: ABS
OI-627



SPACER

Material: ABS
OI-3616

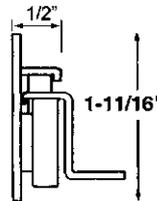


Euro Slides



Superior Quality

- Self-close / Stay-closed action
- Load Capacity: 75 lbs.
- 32mm system screw hole pattern
- Durable epoxy coated steel profiles
- Smooth & quiet nylon rollers
- Bottom mounting
- Drawer Extension (Travel): Length of slide minus 1-1/2"
- 1/2" side clearance



Part #	Size
OI-1500-12	12"
OI-1500-22	22"

Accessories

REAR MOUNT PLASTIC SOCKET

Material: ABS
OI-RMB



REAR MOUNT PLASTIC SOCKET

Material: ABS
OI-6402



MILLER FASTBLOCK™

Material: ABS



FC-MFB-WH
2 pc. pack

FC-MFB-WH-100
100 pc. pack

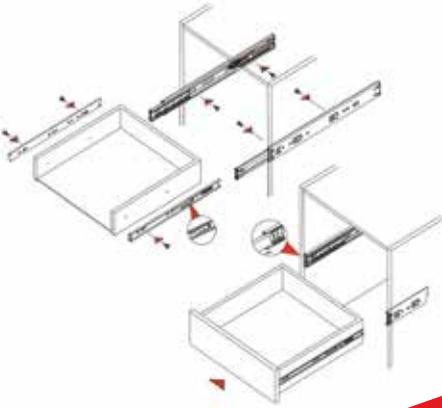


OI-6000 SERIES

100 lb. Capacity • Economy • With Soft Close Mechanism



- Material: Cold Rolled Steel with Clear Zinc Finish
- Side mounted with release latch for easy disconnect
- Anti-slip feature prevents drawer from slipping out when fully extended
- 1/2" side clearance
- Non-handed



DISCONTINUED
PLEASE CALL ONE OF OUR SALES ASSOCIATES FOR OTHER OPTIONS

18" Sliding	10 pairs	100 lbs.
20" Sliding	10 pairs	100 lbs.

SCREWS ONLY FOR DRAWER SLIDES

OI-DRW10-6

(10 pair package) 16 screws required per pair.
 Package includes 160 #6 x 5/8" Flat Head Zinc Screws

Accessories

REAR MOUNT METAL SOCKET

Material: Steel
OI-RMB-S



REAR MOUNT PLASTIC SOCKET

Material: ABS
OI-627



SPACER

Material: ABS
OI-3616



304 Grade Stainless Steel

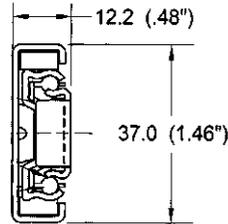
ESR SERIES:

3813, DC4513, SC4513

- 304 Grade Stainless Steel
- 3 Member Full Extension
- Ball bearing construction
- Front disconnect
- Positive stop
- Side mounting
- Non-handed
- Screws sold separately, see below



ESR-3813 SERIES

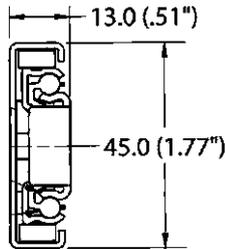


8" DRAWER SLIDE
Ideal for
Closet Drawers

Part #	Slide Length	Travel Length	Load Rating Per Pair
ESR-3813-8	7.87"	7.54"	98 lbs.
ESR-3813-10	9.84"	9.57"	92 lbs.
ESR-3813-12	11.81"	12"	88 lbs.
ESR-3813-14	13.78"	14"	84 lbs.
ESR-3813-16	15.75"	16"	79 lbs.
ESR-3813-18	17.72"	18"	75 lbs.
ESR-3813-20	19.69"	20"	73 lbs.
ESR-3813-22	21.65"	22"	68 lbs.
ESR-3813-24	23.62"	24"	64 lbs.



ESR-DC4513 SERIES

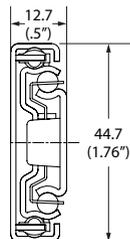


Part #	Slide Length	Travel Length	Load Rating Per Pair
ESR-DC4513-8	7.87"	7.54"	119 lbs.
ESR-DC4513-10	9.84"	9.57"	115 lbs.
ESR-DC4513-12	11.81"	12"	111 lbs.
ESR-DC4513-14	13.78"	14"	108 lbs.
ESR-DC4513-16	15.75"	16"	104 lbs.
ESR-DC4513-18	17.72"	18"	100 lbs.
ESR-DC4513-20	19.69"	20"	97 lbs.
ESR-DC4513-22	21.65"	22"	95 lbs.
ESR-DC4513-24	23.62"	24"	92 lbs.
ESR-DC4513-26	25.59"	26"	90 lbs.
ESR-DC4513-28	27.56"	28"	87 lbs.



ESR-SC4513 SERIES

Soft Close



Part #	Slide Length	Travel Length	Load Rating Per Pair
ESR-SC4513-16	15.75"	16"	81 lbs.
ESR-SC4513-18	17.72"	18"	79 lbs.
ESR-SC4513-20	19.69"	20"	77 lbs.
ESR-SC4513-22	21.65"	22"	75 lbs.
ESR-SC4513-24	23.62"	24"	73 lbs.
ESR-SC4513-26	25.59"	26"	70 lbs.
ESR-SC4513-28	27.56"	28"	68 lbs.

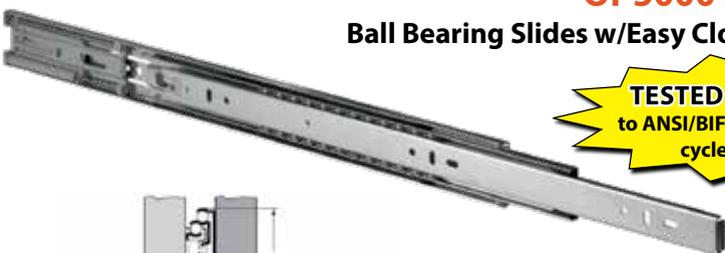
SCREWS

Screw Part #	Bulk Ctn. Qty.
SCR-8625PHZ	12,000

#8 x 5/8" Pan Head Zinc

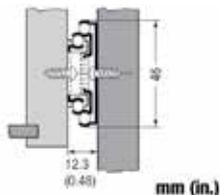
OI-5000 SERIES

Ball Bearing Slides w/Easy Close (Soft Close) Mechanism



TESTED & CERTIFIED
to ANSI/BIFMA specifications
cycles at 50,000

- Material: Cold Rolled Steel with Clear Zinc Finish
- Precision ball bearing slide for medium-duty applications in office and residential furniture
- Drawer profile features an easy to operate disconnect finger release trigger
- System 32 compatible hole locations
- Hold close detent
- New ECD™ easy close (soft close) device



12.3 mm (0.48 in.) is the actual size of the slide.
Allow a min. of 12.7 mm (0.50 in.) for clearance.

Part #	Length	Carton Size	Load Rating
OI-5000-12	12"	10 pairs	100 lbs.
OI-5000-14	14"	10 pairs	100 lbs.
OI-5000-16	16"	10 pairs	100 lbs.
OI-5000-18	18"	10 pairs	100 lbs.
OI-5000-20	20"	10 pairs	95 lbs.
OI-5000-22	22"	10 pairs	90 lbs.
OI-5000-24	24"	10 pairs	85 lbs.
OI-5000-26	26"	10 pairs	80 lbs.
OI-5000-28	28"	10 pairs	75 lbs.

Accessories

REAR MOUNT SOCKETS

Material: Steel
OI-5000B-S



REAR MOUNT PENINSULA BRACKETS

For use with kitchen islands/ peninsula cabinets where standard brackets are impractical

Material: ABS/Steel
OI-648



SPACER

Material: ABS
OI-3616

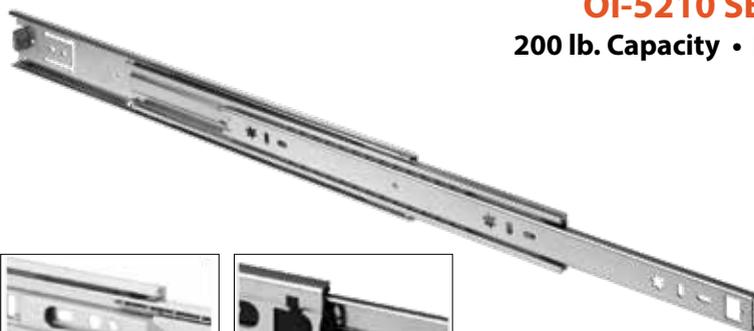


SCREWS ONLY FOR DRAWER SLIDES

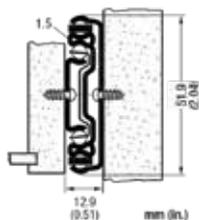
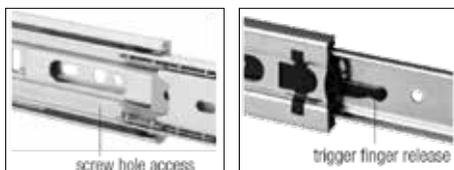
OI-DRW10-8 (10 pair package) 18 screws required per pair.
Package includes 180 #8 x 5/8" Flat Head Zinc Screws

OI-5210 SERIES

200 lb. Capacity • Heavy Duty



- Material: Cold Rolled Steel with Clear Zinc Finish
- Precision ball bearing slide for medium-duty applications in office and residential furniture
- Drawer profile features an easy to operate disconnect finger release trigger
- System 32 compatible hole locations
- Hold close detent
- 1" over travel extension
- Easy to operate finger release trigger for drawer removal



12.9 mm (0.51 in.) is the actual size of the slide.
Allow a min. of 13.1 mm (0.52 in.) for clearance.

Part #	Length	Carton Size	Load Rating
OI-5210-14	14"	10 pairs	200 lbs.
OI-5210-16	16"	10 pairs	200 lbs.
OI-5210-18	18"	10 pairs	200 lbs.
OI-5210-20	20"	10 pairs	200 lbs.
OI-5210-22	22"	10 pairs	200 lbs.
OI-5210-24	24"	10 pairs	200 lbs.
OI-5210-26	26"	10 pairs	200 lbs.
OI-5210-28	28"	10 pairs	200 lbs.

SCREWS ONLY FOR DRAWER SLIDES

OI-DRW10-8 (10 pair package) 18 screws required per pair.
Package includes 180 #8 x 5/8" Flat Head Zinc Screws

AVAILABLE FINISHES:

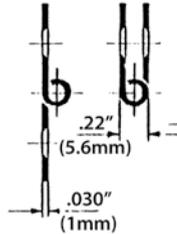
Nickel, Brite Brass, *304 Grade Stainless Steel, Statuary Bronze, Electro Black Lacquered

3 SIZES:

1-1/4" x 72", 1-1/2" x 72", 2" x 72"

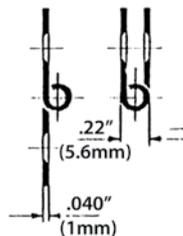
1 1-1/4" x .030* x 72"

Part #	Finish
PH-28-72N	Nickel
PH-28-72B	Brite Brass
PH-28-72BZ	Statuary Bronze
PH-28-72BLQ	Electro Black Lacquered
PH-28-72SS	*304 Grade Stainless Steel



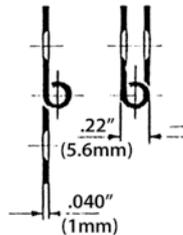
2 1-1/2" x .040* x 72"

Part #	Finish
PH-40-72N	Nickel
PH-40-72B	Brite Brass
PH-40-72BZ	Statuary Bronze
PH-40-72BLQ	Electro Black Lacquered
PH-40-72SS	*304 Grade Stainless Steel

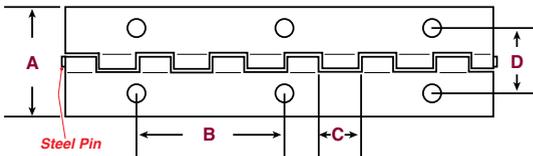


3 2" x .040* x 72"

Part #	Finish
PH-64-72N	Nickel
PH-64-72B	Brite Brass
PH-64-72BZ	Statuary Bronze
PH-64-72BLQ	Electro Black Lacquered
PH-64-72SS	*304 Grade Stainless Steel



* All Stainless Steel Hinges are .037" thick with a screw hole diameter of .24" (6.1mm)
-Use #6 head screw, see below.



DIMENSIONS

	A	B	C	D
1	1-1/4"	2"	1/2"	.750"
2	1-1/2"	2"	1/2"	.876"
3	2"	2"	1/2"	1.13"

NOTE: All measurements are approximate; please refrain from drilling your holes until product is received.

If you are interested in aluminum hinges or custom lengths, please inquire.

PIANO HINGE FLAT PHILLIPS SCREWS

Part #	Finish	Works With	Head Size
SCR-5625FHZ	Zinc	all piano hinges	#5 x 5/8"
SCR-5625FHB	Black	except PH-*-72SS	#5 x 5/8"
SCR-6625FHZ	Zinc	only PH-*-72SS (stainless steel hole is larger)	#6 x 5/8"

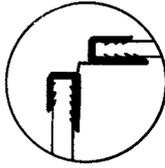
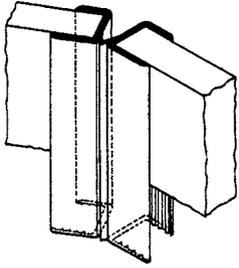
For Our Complete Line Of Screws See Page G-32

72 screws are required per piece.

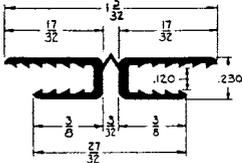
Plastic Panel Hinge

Lengths: 12 Ft.
Material: Polypropylene
Colors Available

*WH - White *BK - Black

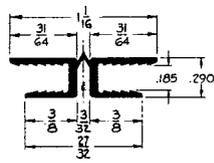


Fits 1/8" Panels



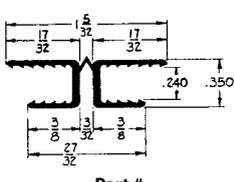
Part #
103-634-*

Fits 3/16" Panels



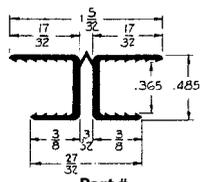
Part #
103-571-*

Fits 1/4" Panels



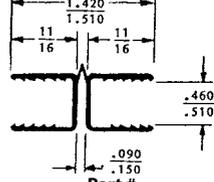
Part #
103-635-*

Fits 3/8" Panels



Part #
103-637-*

Fits 1/2" Panels



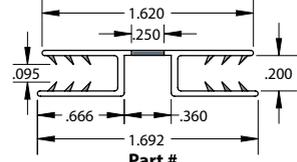
Part #
103-4175-*

Lengths: 12 Ft.
Material: PVC
Colors Available

*WH - White *BK - Black *CL - Clear

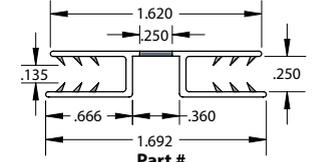
New!

Fits 1/8" Panels



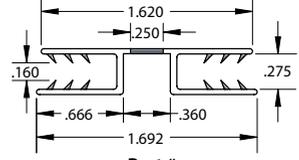
Part #
108-640-*

Fits 3/16" Panels



Part #
108-644-CL

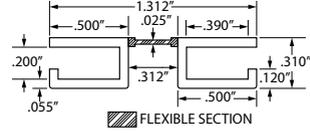
Fits 1/4" Panels



Part #
108-641-*

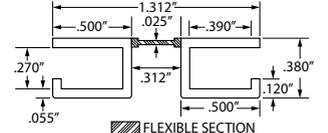
Lengths: 12 Ft.
Material: PVC • Clear w/White Web

Fits 3/16" Panels



Part #
P4506-CL

Fits 1/4" Panels

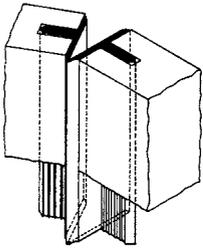


Part #
P4440-CL

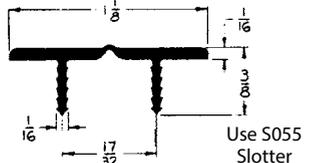
Plastic Tee Hinge

Lengths: 12 Ft.
Material: Polypropylene
Colors Available

*WH - White *BK - Black

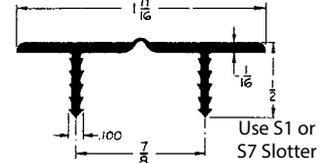


For 1/2" Panel



Part #
103-631-*

For 3/4" Panel



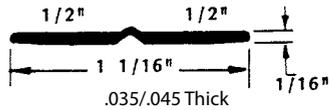
Part #
103-632-*

Flat Hinge

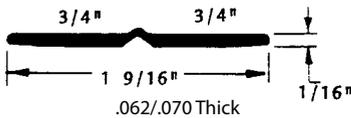
Lengths: 100 & 500 Ft. Coils
Material: Polypropylene

Colors Available

*WH - White *BK - Black *BR - Brown

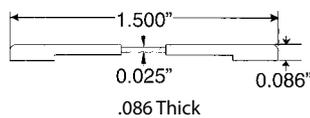


Part #
103-639-*



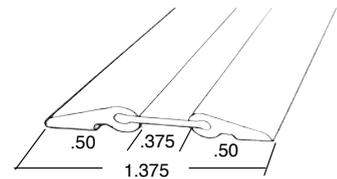
Part #
103-638-*

Lengths: 100 Ft. Coils
Material: PVC
Clear w/White Web



Part #
P4169-CL

Lengths: 4 Ft.
Material: Clear Urethane & Acrylic
U.V. Stabilized for Outdoor Use!

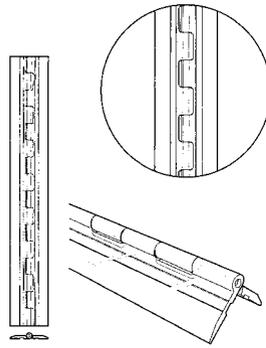


Part #
F2000-CL

PLASTIC PIANO HINGE

Clear or Black
12" Long x 1-3/4" Wide

- Replaces metal hinges that require on to drill, tap or rivet.
- Outer bonding surface is wide for added bonding strength.
- Easily cuts to small size without falling apart.



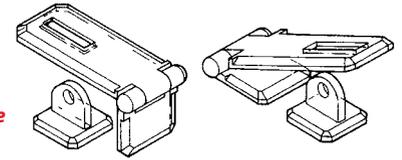
Part #	Material
PH-175-12CL	Acrylic
PH-175-12BK	ABS

ACRYLIC HASP

Clear or Black
2-3/8" Long x 1-1/16" Wide x 1/8" Thick

Bottom section of hasp is reversible for either corner or flat mounting.

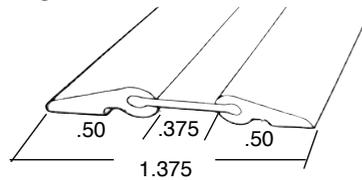
Pre-determine assembly before inserting pin completely!



Part #	Color
HSP-110-CL	Clear
HSP-110-BK	Black

EXTRUDED HINGE

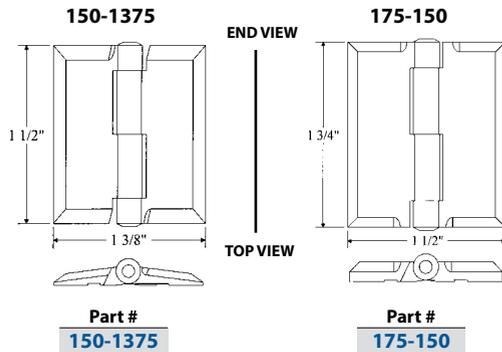
CLEAR URETHANE & ACRYLIC
4 Ft. Lengths U.V. Stabilized for Outdoor Use!



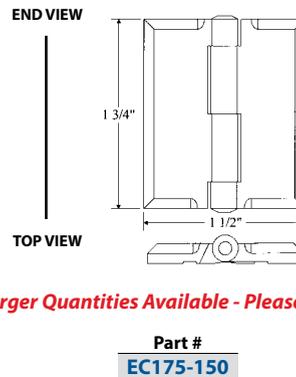
Part #
F2000-CL

Plastic Hinges

CLEAR ACRYLIC HINGE



CLEAR ECONOMY ACRYLIC HINGE

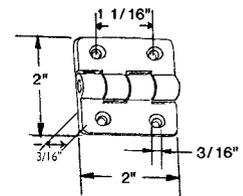


Larger Quantities Available - Please Inquire

Part #
EC175-150

POLYPROPYLENE HINGE

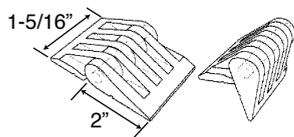
Black or White
Screw Size Recommended
#10 Countersunk (not included)



Won't Rust - Quiet - Long Life

Part #	Color
200-200-WH	White
200-200-BK	Black

MONSTER HINGE™



Material: Acrylic DR101 (Clear), ABS (Black)

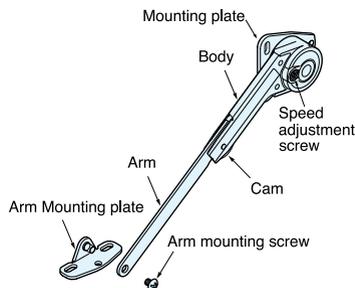
- New design makes this hinge virtually unbreakable!
- Large ribbed sections added for superior strength!
- Larger pin diameter (.190" dia.)

Part #	Description
MONSTER-HINGE-CL	Clear Acrylic 1-5/16" L x 2" W x 1/2" Thick Hinge
MONSTER-HINGE-BK	Black ABS 1-5/16" L x 2" W x 1/2" Thick Hinge

Adjustable Soft Down Stay



KEEPS FLAP / LIDS FROM SLAMMING SHUT & FLYING OPEN



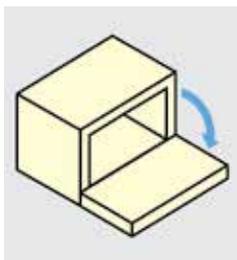
- Material: Zinc Alloy & Steel
- Finish: Nickel
- For piano / butt / concealed hinges
- Screws included
- Speed adjustment screw for soft close
- Recommended 3/4" door thickness
- Door Height:
Minimum: 6"
Maximum: 26"

TORQUE CALCULATION:
Torque = Door Height x 1/2 x Door Weight

NSDX-10/TV: (Short Arm for Smaller Doors)
 Per Piece: 10 - 20 kg · cm (8.7 - 17.4 lbs · inch)
 Per Pair: 20 - 40 kg · cm (17.4 - 34.7 lbs · inch)

NSDX-10, NSDX-20, NSDX-35:
 Per Piece: 20 - 70 kg · cm (19 - 60 lbs · inch)
 Per Pair: 40 - 140 kg · cm (38 - 120 lbs · inch)

NSDX-10 & NSDX-10*/TV Short Arm for Smaller Doors



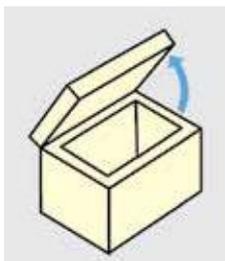
- 90° Opening
- For downward opening flap door
- Designed to hold door in closed position

Part #	Mounting Side	Opening Angle	Movement
NSDX-10RK	Right	90°	Downward
NSDX-10LK	Left	90°	Opening
NSDX-10RK/TV	Right	90°	Downward
NSDX-10LK/TV	Left	90°	Opening

Face Frame Bracket
 For face frame applications
 use one bracket per arm

Part #
FFCB-SD-1

NSDX-20

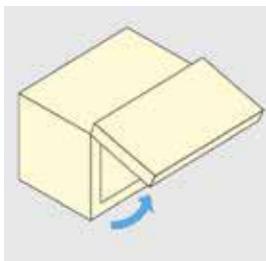


- 70° or 105° Opening
- For top opening flap door
- Designed to hold door in fully opened position

Part #	Mounting Side	Opening Angle	Movement
NSDX-20RK	Right	70° or 105°	Top
NSDX-20LK	Left	70° or 105°	Opening

*All lid stays include the standard mounting plate for wood doors (NSDX-SZ).
 Mounting plates for aluminum frame (NSDX-AZ) and glass doors (NSDX-GZ) also available.
 Please Inquire.*

NSDX-35



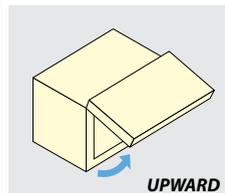
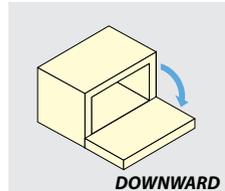
- 80°, 90° or 100° Opening
- For upward opening flap door
- Designed to hold door in fully opened position

Part #	Mounting Side	Opening Angle	Movement
NSDX-35RK	Right	80°, 90° or 100°	Upward
NSDX-35LK	Left	80°, 90° or 100°	Opening



Material: Steel and Zinc Alloy with Plastic Housing (Black or White)

- Must use with concealed butt or piano hinge
- SDS-C301N is designed to hold door in closed and open position
- SDS-C100TV has a catch to hold the lid closed in position
- SDS-100TV does not have a catch feature and is designed to be used with a magnetic catch or touch latch
- Non-Handed
- Recommended 3/4" door thickness
- Soft close last 1/2"
- Screws included



Torque Calculation: Torque = Door Height x 1/2 x Door Weight

**DOOR WEIGHT RANGE (Per Pair)
SELECTION GUIDE**

DOOR HEIGHT (inches)	SDS-C100		SDS-C301N		SDS-100-TV	
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
6"	-	-	-	-	2.89	6.94
7"	-	-	-	-	2.48	5.95
8"	15.0	21.5	17.5	30.0	2.2	5.2
9"	13.3	19.1	15.6	26.7	1.9	4.6
10"	12.0	17.2	14.0	24.0	1.7	4.2
11"	10.9	15.6	12.7	21.8	1.6	3.8
12"	10.0	14.3	11.7	20.0	1.4	3.5
13"	9.2	13.2	10.8	18.5	-	-
14"	8.6	12.3	10.0	17.1	-	-
15"	8.0	11.5	9.3	16.0	-	-
16"	7.5	10.8	8.8	15.0	-	-
17"	7.1	10.1	8.2	14.1	-	-
18"	6.7	9.6	7.8	13.3	-	-
19"	6.3	9.1	7.4	12.6	-	-
20"	6.0	8.6	7.0	12.0	-	-
21"	5.7	8.2	6.7	11.4	-	-
22"	5.5	7.8	6.4	10.9	-	-
23"	5.2	7.5	6.1	10.4	-	-
24"	5.0	7.2	5.8	10.0	-	-
25"	4.8	6.9	5.6	9.6	-	-
26"	4.6	6.6	5.4	9.2	-	-

Part #	Color	Type	Movement	Arm	^ Torque Per Piece	^ Torque Per Pair
SDS-100W-TV	White	Without	Downward	Short	5-12 kgf·cm (4.3-10.4 lbs·in)	10-24 kgf·cm (8.7-20.1 lbs·in)
SDS-100B-TV	Black	Catch	Opening			
SDS-C100W-TV	White	With	Downward	Short	5-12 kgf·cm (4.3-10.4 lbs·in)	10-24 kgf·cm (8.7-20.1 lbs·in)
SDS-C100B-TV	Black	Catch	Opening			
SDS-100W-TVZ	White	Without	Downward	Short	16.5-37.6 kgf·cm (14.3-32.6 lbs·in)	33-75.2 kgf·cm (28.6-65.2 lbs·in)
SDS-100B-TVZ	Black	Catch	Opening			
SDS-C100W-TVZ	White	With	Downward	Short	16.5-37.6 kgf·cm (14.3-32.6 lbs·in)	33-75.2 kgf·cm (28.6-65.2 lbs·in)
SDS-C100B-TVZ	Black	Catch	Opening			
SDS-C100/WHT	White	With	Downward	Standard	35-50 kgf·cm (30-43 lbs·in)	70-100 kgf·cm (60-86 lbs·in)
SDS-C100/BLK	Black	Catch	Opening			
SDS-C301N/WHT	White	With	Upward	Standard	40-70 kgf·cm (35-60 lbs·in)	80-140 kgf·cm (70-120 lbs·in)
SDS-C301N/BLK	Black	Catch	Opening			

^ Torque measurement is referring to kilograms of force per centimeter (kgf·cm) or pounds of force per inch (lbs·in).

Face Frame Bracket

For face frame applications
use one bracket per arm



Part #

FFCB-SD-1

Aileron Lift-Assist Lid Stays



Material: Nickel Plated Steel with Zinc Alloy. Grey Plastic



- Smooth door movement specially designed using Sugatsune's NEW Olympia concealed hinge.
- Lift assist function allows for light opening of doors.
- Free stop function enables doors to hold in position (30° Maximum).
- Soft close function makes doors close gently (0-30°).
- Integrated design combines a concealed hinge and a lid stay.
- Closing speed of doors is adjustable.

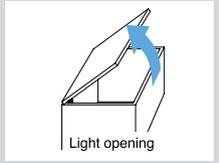


ARN-2
Top Opening

ARN-3
Upward Opening

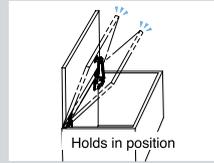
Lift-assist

Allows for light opening of doors



Free stop

Enables doors to hold in position (30°-Max.).



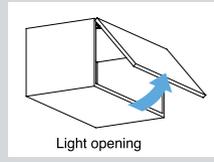
Soft close

Built-in damper makes doors close slowly.



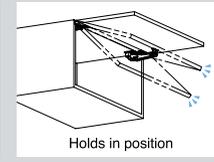
Lift-assist

Allows for light opening of doors



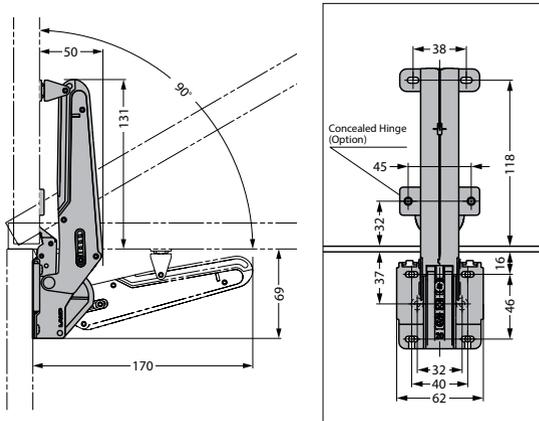
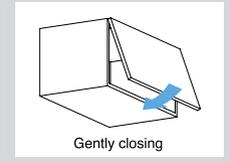
Free stop

Enables doors to hold in position (30°-Max.).

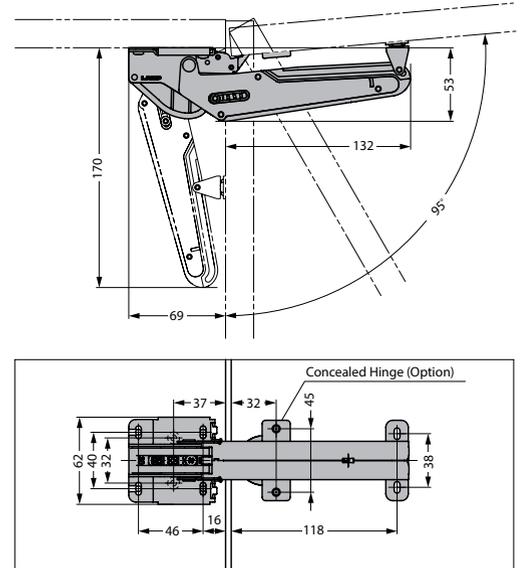


Soft close

Built-in damper makes doors close slowly.

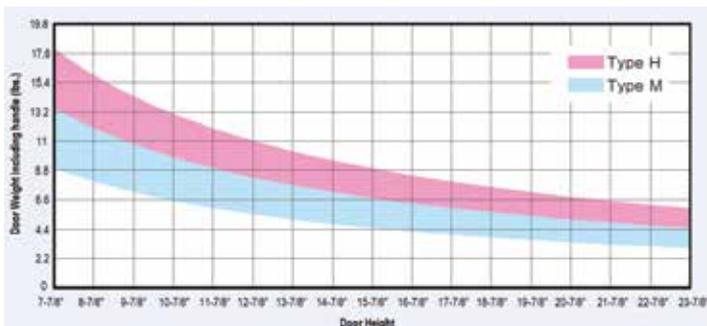


Components for a single door		
	Aileron	1
	Mounting plate for Aileron	1
	Olympia Concealed Hinge	2
	Mounting plate for Olympia	1
	Screws	16
	Olympia 8	
	Aileron 6	
	Aileron 2	



Part #	Torque Per Piece
ARN-2-M-S	40.8-61.2 kg·cm (35.4-53.1 lbs·in)
ARN-2-H-S	61.2-81.6 kg·cm (53.1-70.8 lbs·in)

Part #	Torque Per Piece
ARN-3-M-S	40.8-61.2 kg·cm (35.4-53.1 lbs·in)
ARN-3-H-S	61.2-81.6 kg·cm (53.1-70.8 lbs·in)



Refer to the graph above as a guide for model selection. For use with doors outside of the scope of this graph, use the calculation below. Door weight must include all attached accessories.

Torque (lbs · inch) = Door height (inches) × 0.5 × weight (lbs).

Torque Range (lbs · in)	Type	Number of AILERON
35.4~53.1	M	1 pc
53.1~70.8	H	

THE OLYMPIA HINGE

With 5-level damper function, part of the Aileron soft-opening system.

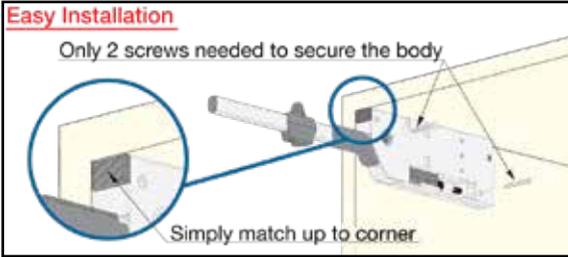


5-speed adjustable soft close. The first Sugatsune concealed hinge ever built with Lapcon technology.





SLS-ELAN



3 functions on 1 stay

1. Lift-assist



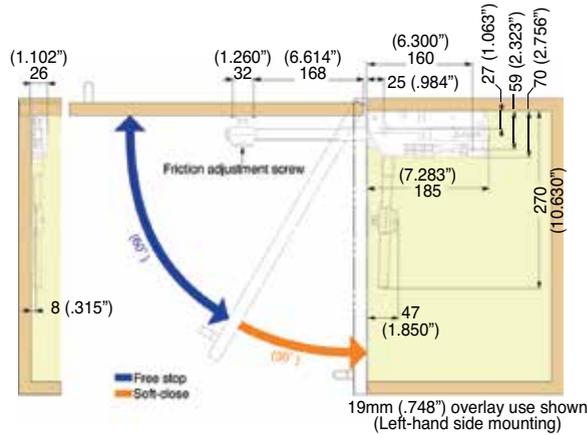
2. Free stop



3. Soft-close



- LAPCON stay for upward-opening flap doors
- Lift-assist mechanism for extra light-opening
- Damper equipped for soft & silent closing at the end
- Recognized by LGA for 40,000 cycles
- Recommended 3/4" door thickness



DOOR WEIGHT RANGE TABLE (lbs.) SELECTION GUIDE

DOOR HEIGHT (inches)	SINGLE USE				PAIR USE			
	M-TYPE		H-TYPE		M-TYPE		H-TYPE	
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
12"	8.0	10.8	10.8	14.5	16.0	21.7	21.7	29.0
13"	7.4	10.0	10.0	13.4	14.8	20.0	20.0	26.8
14"	6.9	9.3	9.3	12.4	13.7	18.6	18.6	24.9
15"	6.4	8.7	8.7	11.6	12.8	17.3	17.3	23.2
16"	6.0	8.1	8.1	10.9	12.0	16.3	16.3	21.8
17"	5.6	7.6	7.6	10.2	11.3	15.3	15.3	20.5
18"	5.3	7.2	7.2	9.7	10.7	14.4	14.4	19.3
19"	5.1	6.8	6.8	9.2	10.1	13.7	13.7	18.3
20"	4.8	6.5	6.5	8.7	9.6	13.0	13.0	17.4
21"	4.6	6.2	6.2	8.3	9.1	12.4	12.4	16.6
22"	4.4	5.9	5.9	7.9	8.7	11.8	11.8	15.8
23"	4.2	5.7	5.7	7.6	8.3	11.3	11.3	15.1
24"	4.0	5.4	5.4	7.3	8.0	10.8	10.8	14.5
25"	3.8	5.2	5.2	7.0	7.7	10.4	10.4	13.9
26"	3.7	5.0	5.0	6.7	7.4	10.0	10.0	13.4
27"	3.6	4.8	4.8	6.4	7.1	9.6	9.6	12.9
28"	3.4	4.6	4.6	6.2	6.9	9.3	9.3	12.4

Single or Pair use depending on door size

Torque Calculation: $Torque = Door\ Height \times 1/2 \times Door\ Weight$

Part #	Type	Movement	Torque Per Piece	Torque Per Pair	Material	Finish/Color
SLS-ELAN-MR (Right)	M-Type	Upward	55-75 kg·cm	110-150 kg·cm	• Aluminum • Steel • ABS	• Anodized • Galvanized • Light Gray
SLS-ELAN-ML (Left)	(Medium Duty)	Opening	(48-65 lbs·in)	(96-130 lbs·in)		
SLS-ELAN-HR (Right)	H-Type	Upward	75-100 kg·cm	150-200 kg·cm		
SLS-ELAN-HL (Left)	(Heavy Duty)	Opening	(65-87 lbs·in)	(130-174 lbs·in)		



Face Frame Bracket

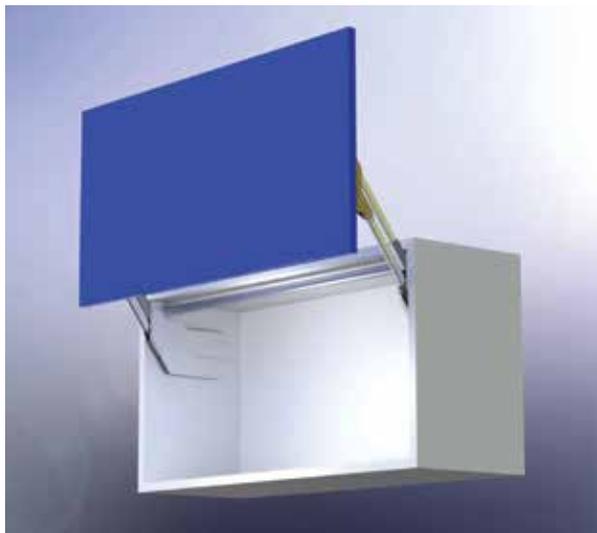
For face frame applications use one bracket per arm

Part #

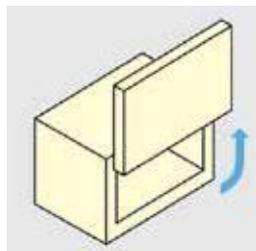
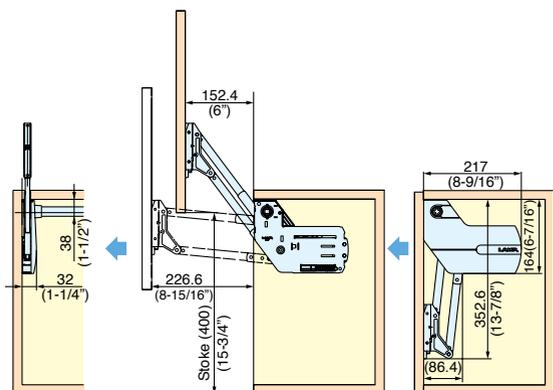
FFCB-SLS



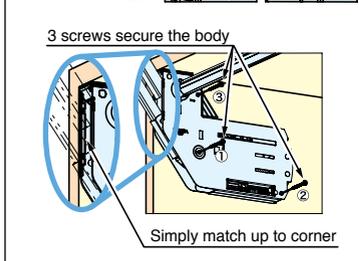
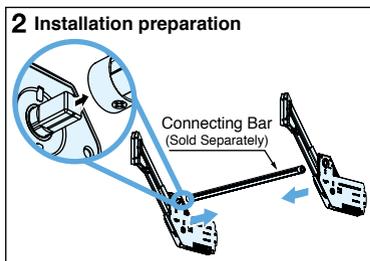
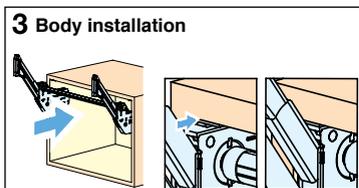
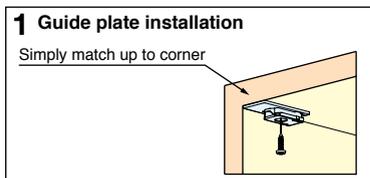
SLU-ELAN



- Lift - assist mechanism for extra light opening
- Free stop so door stays open in any desired position
- Damper equipped for soft and silent closing
- No hinges required
- Only a 6" gap from the face of the cabinet to the back of the door when fully open
- Trimmable connecting bar (sold separately) to fit any width cabinets
- Recommended door sizes: Max Width: 59", Height: 15-3/8" - 19-11/16"
- Based on recommended 3/4" door thickness



Part #	Movement	Door Weight	Material	Finish/Color
SLU-ELAN-S4		11 - 14.3 lbs.		
SLU-ELAN-L4	Upward	14.3 - 17.6 lbs.	Steel	Anodized
SLU-ELAN-M4	Opening	17.6 - 20.9 lbs.	Zinc Alloy	Galvanized
SLU-ELAN-H4		20.9 - 24.2 lbs.	Aluminum ABS	Light Gray



Connecting Bar REQUIRED (Sold Separately)

Part #	Cabinet Width
ELB-480	23-5/8"
ELB-780	35-1/2"
ELB-1080	47-1/4"
ELB-1380	59"

Face Frame Bracket

For face frame applications
use one bracket per arm



Part #
FFCB-SLU

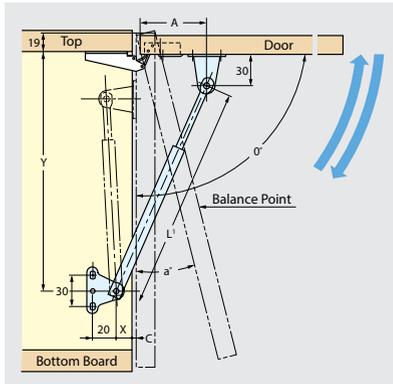


LK / L

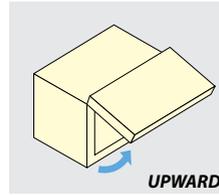
Material: 304 Grade Stainless Steel • **Finish:** Satin

- Ideal for all outdoor and exposed environment applications
- Non-handed: Can be installed on left or right side, individually or in pairs
- Install with euro, concealed, piano or butt hinge
- Lid Stay must be installed parallel to sideboard
- Screws not included

LK Series



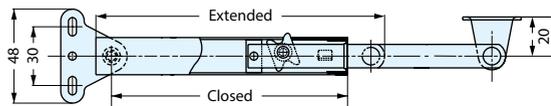
- Spring loaded lift assist mechanism
- Lifts doors and holds in open position



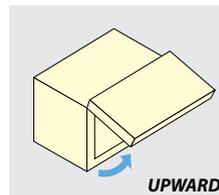
Door weight is based on door height:
 LK-222=350mm LK-335=500mm

Part #	Door Height Required	Door Weight Maximum
LK-222	14"	5.5 lbs.
LK-335	19"	6.8 lbs.

L Series



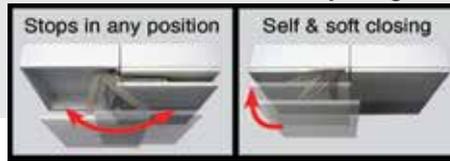
- Lift to open, lift to close ratchet
- Holds lid or panel in fully opened position
- 33 lb. load capacity



Part #	Door Height
L-195	9-27/32" ~ 13-25/32"
L-270	12-19/32" ~ 19-11/16"



Lateral or Side-to-Side Opening

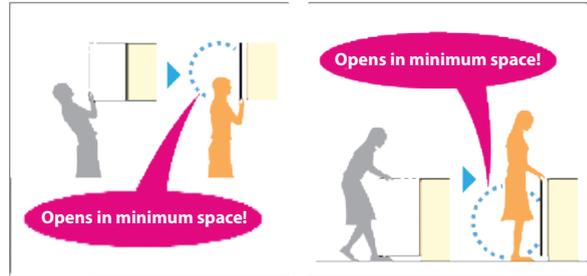


- Material: Anodized Nickel Finish & Steel/Aluminum
- Ideal for tight front space application
- Allows doors to swing out laterally in a small radius
- Doors will not get in the way when fully opened thus providing full access to the cabinet
- Maximum clearance to open is 10"
- Projection when fully opened is 3"
- Door has free swing & soft close
- Standard 32mm system mounting
- Can be used in single or double door configuration with as little as 2mm gap!
- Use with frameless cabinets, optional face frame cabinet bracket available

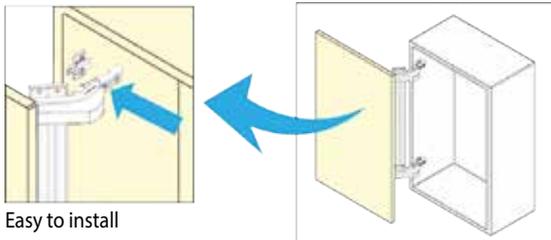
Maximum Access with Full Opening



Lateral Swing Mechanism is Ideal for Tight Spaces

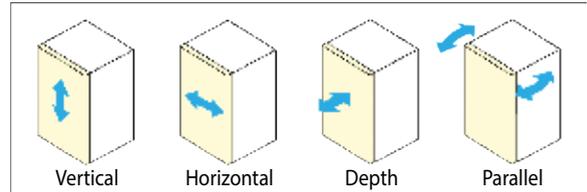


Snap-on Installation

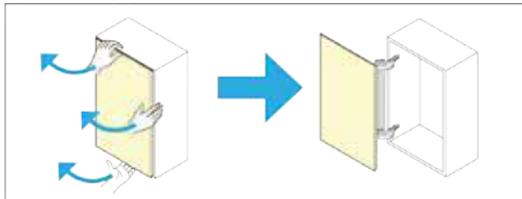


Easy to install

4-Way Adjustment

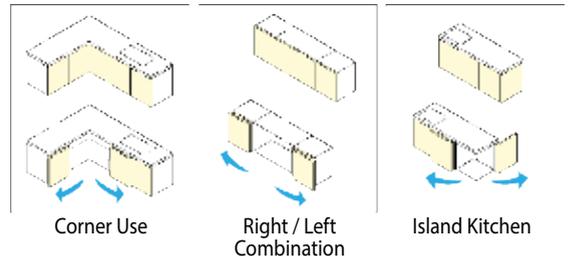


Can be Opened from Various Points



Please note handle position before installation. Handle may interfere with hinge.

Various Applications





LIN-X450 Series Standard

- Door Width: 15-3/4" ~ 19-11/16"
- Door Height: 23-5/8" ~ 35-7/16"
- Door Thickness: 5/8" ~ 15/16"
- Maximum Door Weight: 15.4 lbs./Door

Door Height	Door Weight				Required Connecting Bar
	15.4 lbs.	15.5 ~ 23 lbs.	23.1 ~ 31 lbs.	31.1 ~ 37.4 lbs.	
23-5/8" ~ 35-7/16"	LIN-X450 Standard Set <i>connecting bar & end caps included</i>	B	-	-	LIN-X450-L540
35-7/16" ~ 47-1/4"	A	B	C	-	LIN-X450-L840
47-1/4" ~ 59-3/64"	A	B	C	D	LIN-X450-L1140
59-3/64" ~ 70-7/8"	B	B	C	D	LIN-X450-L1440
70-7/8" ~ 82-11/16"	B	B	C	D	LIN-X450-L1740
82-11/16" ~ 94-1/2"	C	C	C	D	LIN-X450-L2040

Part #	Description
LIN-X450	Standard Set
Individual components needed when door exceeds standard set	
LIN-X450ACD	Single Arm (with Damper)
LIN-X450A	Single Arm (without Damper)
230-P4W-32T	Mounting Plate
LIN-X450-L540	Connecting Bar L=540mm
LIN-X450-L840	Connecting Bar L=840mm
LIN-X450-L1140	Connecting Bar L=1140mm
LIN-X450-L1440	Connecting Bar L=1440mm
LIN-X450-L1740	Connecting Bar L=1740mm
LIN-X450-L2040	Connecting Bar L=2040mm
LIN-X450C	End Cap for Connecting Bar

Required Parts for Non-Standard Sets [Quantity]

A [2] LIN-X450ACD, [2] 230-P4W-32T, [2] LIN-X450C, [1] Required Connecting Bar, (See chart above)

B [3] LIN-X450ACD, [3] 230-P4W-32T, [2] LIN-X450C, [1] Required Connecting Bar, (See chart above)

C [3] LIN-X450ACD, [1] LIN-X450A, [4] 230-P4W-32T, [2] LIN-X450C, [1] Required Connecting Bar, (See chart above)

D [3] LIN-X450ACD, [2] LIN-X450A, [5] 230-P4W-32T, [2] LIN-X450C, [1] Required Connecting Bar, (See chart above)

Optional Face Frame Bracket



FFCB-HG-1



LIN-X600 Series Standard

- Door Width: 21-5/8" ~ 25-9/16"
- Door Height: 23-5/8" ~ 36-7/16"
- Door Thickness: 5/8" ~ 15/16"
- Maximum Door Weight: 19.8 lbs./Door



Door Height	Door Weight					Required Connecting Bar
	19.8 lbs.	19.9 ~ 26.5 lbs.	26.6 ~ 35.4 lbs.	35.5 ~ 44.2 lbs.	44.3 ~ 52.8 lbs.	
23-5/8" ~ 35-7/16"	LIN-X600 Standard Set connecting bar & end caps included	B	-	-	-	LIN-X600-L540
35-7/16" ~ 47-1/4"	-	B	B	-	-	LIN-X600-L840
47-1/4" ~ 59-3/64"	-	B	B	C	-	LIN-X600-L1140
59-3/64" ~ 70-7/8"	-	B	B	C	D	LIN-X600-L1440
70-7/8" ~ 82-11/16"	-	B	B	C	D	LIN-X600-L1740
82-11/16" ~ 94-1/2"	-	C	C	C	D	LIN-X600-L2040

Part #	Description
LIN-X600	Standard Set
Individual components needed when door exceeds standard set	
LIN-X600ACD	Single Arm (with Damper)
LIN-X600A	Single Arm (without Damper)
230-P4W-32T	Mounting Plate
LIN-X600-L540	Connecting Bar L=540mm
LIN-X600-L840	Connecting Bar L=840mm
LIN-X600-L1140	Connecting Bar L=1140mm
LIN-X600-L1440	Connecting Bar L=1440mm
LIN-X600-L1740	Connecting Bar L=1740mm
LIN-X600-L2040	Connecting Bar L=2040mm
LIN-X600C	End Cap for Connecting Bar

Required Parts for Non-Standard Sets [Quantity]

B	[3] LIN-X600ACD, [3] 230-P4W-32T, [2] LIN-X600C, [1] Required Connecting Bar, (See chart above)
C	[3] LIN-X600ACD, [1] LIN-X600A, [4] 230-P4W-32T, [2] LIN-X600C, [1] Required Connecting Bar, (See chart above)
D	[3] LIN-X600ACD, [2] LIN-X600A, [5] 230-P4W-32T, [2] LIN-X600C, [1] Required Connecting Bar, (See chart above)

Optional Face Frame Bracket



FFCB-HG-1



LIN-X1000 Series - Heavy Duty

- Door Width: 29-1/2" ~ 43-5/16"
- Maximum Door Height: 117-5/16"
- Door Thickness: 15/16" ~ 1-9/16"
- Maximum Door Weight: 198 lbs./Door

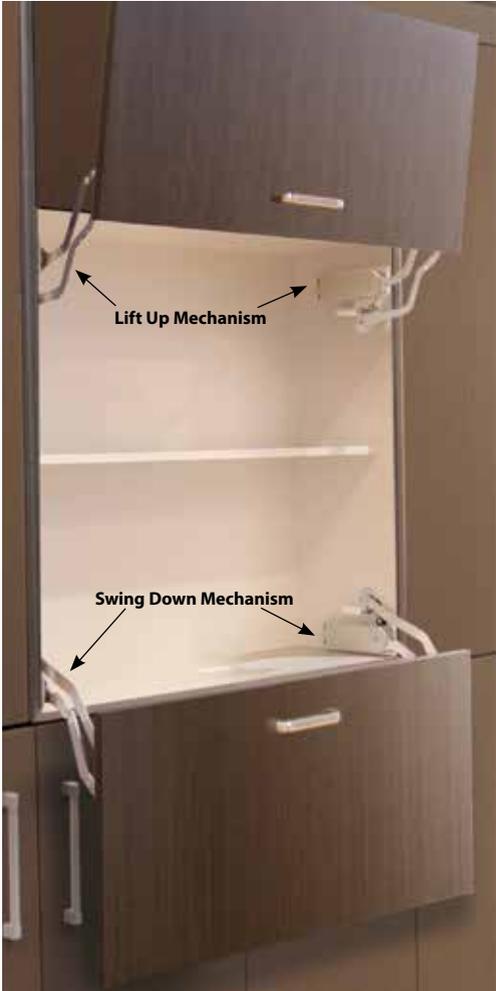
- Lateral opening mechanism:
Allows doors to swing out laterally in a small radius
- Ideal for tight front space application
- 4-Way adjustable: Vertical, Horizontal, Depth & Parallel adjustment
- Built-in dampers provide a smooth soft closing movement
- Ideal for closet entry ways, large pantry doors, storage, hidden rooms, etc.
- Hardware is non-handed - can be used for left or right opening doors
- Designed for 19mm (3/4") overlay installation
- Constructed of Steel and Aluminum



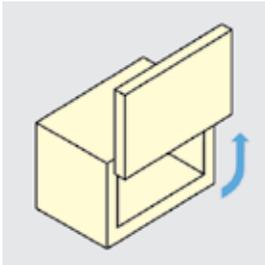
(Shown)
LIN-X1000/BL-S
Black
LIN-X1000/WT-S
White



- Material: Nickel Plated Steel with Gray Plastic Housing
- Soft Close engages last 1/2" of travel
- Adjustable arm mounting plate for various door sizes
- Successfully passed 30,000 open / close private cycle tests
- Patented Lapcon technology provides smooth and quiet motion
- Recommended 3/4" door thickness



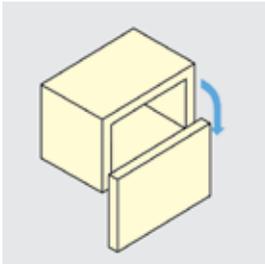
LIFT UP MECHANISM



New! LIFT UP MECHANISM
FOR HEAVIER TALLER DOORS
SLUL
COMING SOON!

Part #	Movement	Door Weight	Door Height	Door Width
SLUN-3N	Lift Up	6.2 - 8.4 lbs.	15-23/64" - 17-23/32"	23-5/8" - 35-7/16"
SLUN-4N		8.4 - 10.6 lbs.		
SLUN-5N		10.6 - 12.8 lbs.		

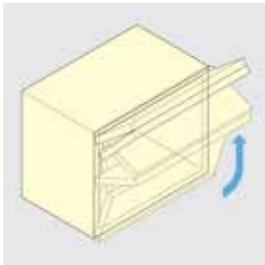
SWING DOWN MECHANISM



New! SWING DOWN MECHANISM
FOR HEAVIER TALLER DOORS
SLDL
COMING SOON!

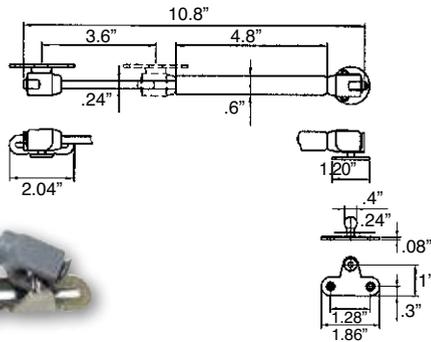
Part #	Movement	Door Weight	Door Height	Door Width
SLD-3	Lift Down	6.6 - 8.8 lbs.	14-1/8" - 15-3/4"	23-5/8" - 35-7/16"
SLD-4		8.8 - 11.0 lbs.		
SLD-5		11.0 - 13.2 lbs.		

BI-FOLD LIFT UP MECHANISM



Part #	Movement	Door Weight	Door Height	Door Width
HBFN-2M	Bi-fold Lift Up	5.5 - 7.7 lbs.	12-19/32" - 14-9/16" (Per Panel)	17-23/32" - 35-7/16"
HBFN-3M		7.9 - 9.9 lbs.		
HBFN-4M		9.9 - 12.1 lbs.		

OPI Economy Series: "Lift - Up" Gas Spring



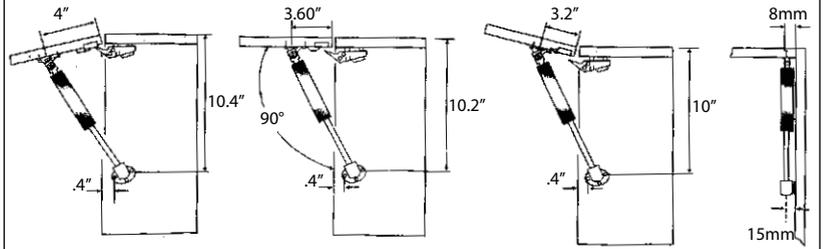
- Suitable for face frame and frameless applications.
- Suitable for wood and aluminum doors.
- No lubrication required, (**NOTE:** If lubricated, product will not operate properly).
- Set includes: 2 gas springs, 2 sets of mounting brackets and screws.
- Finish: Silver, all metal construction.

Part #	Force
LFTUP-100SV	100n (22.5 lbs.)
LFTUP-150SV	150n (33.7 lbs.)

Gas Springs Selection Guide

Door Weight	2-3 kg (5-7 lb)	3.5-4.5 kg (8-10 lb)	5-6 kg (11-13 lb)
Door Height	Force	Force	Force
254 - 305 mm (10 - 12 in)	100 N (22.5 lb)	100 N (22.5 lb)	100 N (22.5 lb)
330 - 380 mm (13 - 15 in)	100 N (22.5 lb)	100 N (22.5 lb)	150 N (33.7 lb)
406 - 457 mm (16 - 18 in)	100 N (22.5 lb)	100 N (22.5 lb)	150 N (33.7 lb)
483 - 533 mm (19 - 21 in)	100 N (22.5 lb)	150 N (33.7 lb)	
559 - 610 mm (22 - 24 in)	100 N (22.5 lb)	150 N (33.7 lb)	

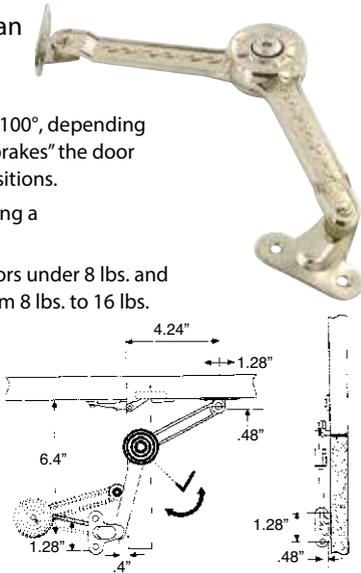
INSTALLATION



OPI Economy Series: Soft Stayup Hinge

This multipurpose stay can be used on "Drop Down" and "Lift up Doors".

- This stay will open as wide as 100°, depending on the adjustment this stay "brakes" the door as it holds in intermediate positions.
- Adjustments can be made using a 4mm allen key. (Included)
- 1 piece recommended for doors under 8 lbs. and 2 pieces for doors ranging from 8 lbs. to 16 lbs.
- Non-handed
- Nickel plated, all metal construction
- #4 pan head mounting screws included.



Part # **SSH-2007**

Chrome Plated Euro Hinges



Can be used for either frameless or framed cabinet applications. Opening angle can be adjusted from 45°-90°

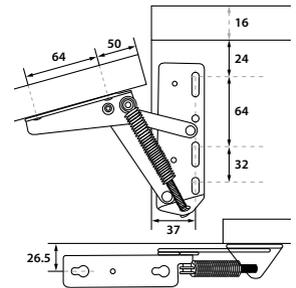
Part #	Description
6552-ETH-10	Euro Hinge False Front Hinge

Lift-Up Hinge



Material: Steel
Finish: White Epoxy Coat
Load Capacity: 22 lbs. per pair

- 75° opening angle
- Adjustable tension
- Built in spring safety device



Part # **LFTHN-110**

*Mounts with #6 or #8 x 1" Wood Screws, Sold Separately See Page G-32

Toy Box Lid Support

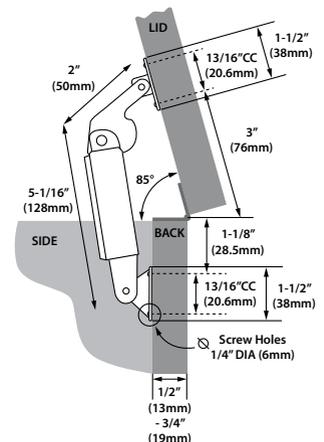


Material: Steel
Finish: Statuary Bronze
Load Capacity: 22-33 lbs.
Per 2 Stays

- Works with lids 1/2" - 3/4" thick
- 85° opening angle
- Non-handed

Part # **TBXHIN-BZ**

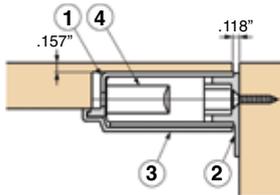
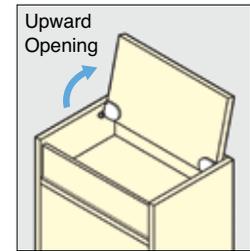
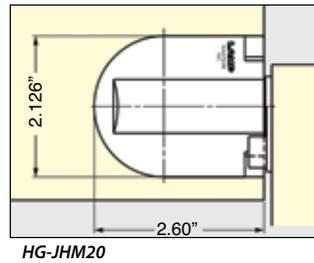
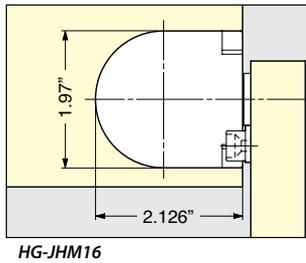
*#8 Color Matched Screws Included



HG-JHM16/20



- No more lids that slam shut! This hinge has a built-in soft close dampening mechanism.
- Mortise mounting
- For upward opening applications only



Torque Calculation: Torque = Door Height x 1/2 x Door Weight

No.	Part Name	Material	Finish/Color
1	Bracket	Polyacetal	Black
2	Mounting Plate	Aluminum	Black
3	Face Plate	ABS	Black/White
4	Damper	304 Stainless Steel	Plain

Part #	Color	Description	Unit Of Measure	Type Of Close Function	Movement	*Torque Per Pair
HG-JHM16-34	Black	Body	Pair	Soft Close	Upward Opening	17.4 - 29.5 lbs•in
HG-JHM16-50	Black	Body	Pair	Soft Close	Upward Opening	29.5 - 43.4 lbs•in
HG-JHM16-BL	Black	Face Plate	Pair	-	-	-
HG-JHM16-WT	White	Face Plate	Pair	-	-	-
HG-JHM20-80	Black	Body	Pair	Soft Close	Upward Opening	53 - 70.8 lbs•in
HG-JHM20-BL	Black	Cover	Pair	-	-	-
HG-JHM20-WH	White	Cover	Pair	-	-	-

*Torque measurement is referring to pounds of force per inch (lbs•in)

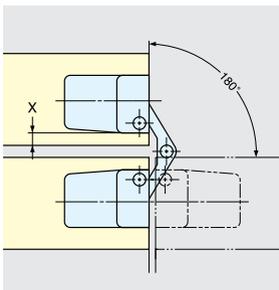
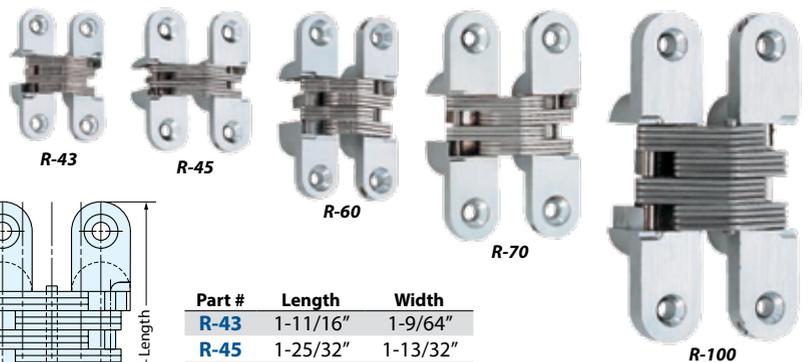
Concealed Hinges



R Series

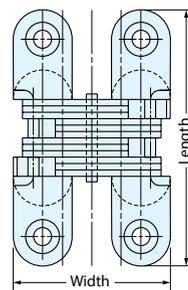
Material: Zinc Alloy Body w/Stainless Steel Pin • **Finish:** Satin Chrome

- Door Size: Max. 17-23/32" W x 27-9/16" H x 53/64" Thick
- Benefits of a concealed hinge with no visible hardware
- Ideally suited for light weight doors
- Enables door to open 180°
- Non-Handed
- Stainless Steel Screws included



Hinge	X
R-43	2.3 mm
R-45	3 mm
R-60	3 mm
R-70	3.5 mm
R-100	4.8 mm

Distance between door edge and hinge must be less than the figures shown in column "X" of the dimension table above.



Part #	Length	Width
R-43	1-11/16"	1-9/64"
R-45	1-25/32"	1-13/32"
R-60	2-23/64"	1-25/64"
R-70	2-3/4"	1-43/64"
R-100	3-15/16"	2-3/32"

Non-Handed

Material: Zinc Alloy w/304 Grade Stainless Steel Pin

- Hinge can be completely separated by removing the horizontal adjustment screw. This allows the hinge to be mounted to the door and door frame individually and then lifted back into place and tightened down. Making it possible for one person to install doors!
- Once mounted the 3 way adjustments of vertical, horizontal and depth make for perfectly aligned doors!
- Concealed hinge offers clean lines without visible appearance.
- This hinge enables the door to open 180°
- Cover cap will eliminate visible screw heads for a clean appearance
- Can use 2 ~ 3 hinges per door
- Stainless Steel Screws & ABS Cover Cap included

HES3D-70

- Door Thickness: Minimum 3/4"
- Max. Door Size: 47-1/4" H x 23-5/8" W
- Max. Door Weight: 19.8 lbs. (2 pcs.); 24.6 lbs. (3 pcs.)



HES3D-70DC Dull Chrome **HES3D-70DN** Dull Nickel **HES3D-70BL** Matte Black

HES3D-90

- Door Thickness: Minimum 15/16"
- Max. Door Size: 59-1/16" H x 23-5/8" W
- Max. Door Weight: 26 lbs. (2 pcs.); 35 lbs. (3 pcs.)



HES3D-90DC Dull Chrome **HES3D-90DN** Dull Nickel **HES3D-90BL** Matte Black

HES3D-120

- Door Thickness: Minimum 1-1/8"
- Max. Door Size: 94-1/2" H x 35-7/16" W
- Max. Door Weight: 66 lbs. (2 pcs.); 88 lbs. (3 pcs.)



HES3D-120DC Dull Chrome **HES3D-120DN** Dull Nickel **HES3D-120BL** Matte Black

HGS3D-S160SH



Material: 304 Grade Stainless Steel

- Door Thickness: Minimum 1-7/16"
- Max. Door Size: 96" H x 36" W
- Max. Door Weight: 176 lbs. (2 pcs.); 220 lbs. (3 pcs.)



HGS3D-S160SH Satin **HGS3D-S160SH-SQPLATE** Satin

Optional Square Screw Cover Plate, sold separately

HES3D-E190



- Door Thickness: Minimum 1-1/2"
- Max. Door Size: 94-1/2" H x 36" W
- Max. Door Weight: 220 lbs. (2 pcs.); 275 lbs. (3 pcs.)
- 3 Hour UL Fire rating for U.S. & Canada



HES3D-E190DC Dull Chrome

HES3D-W190

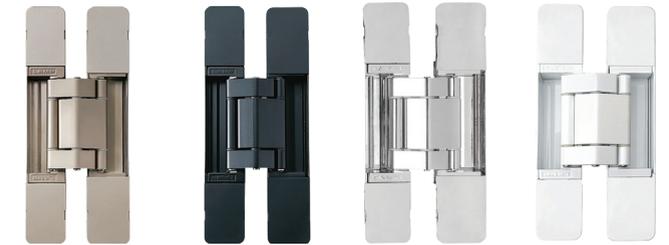


Material: Zinc Alloy w/304 Grade Stainless Steel Shaft

- Door Thickness: Minimum 1-5/8"
- Max. Door Size: 96-1/16" H x 36" W
- Max. Door Weight: 220 lbs. (2 pcs.); 275 lbs. (3 pcs.)
- 3 Hour UL Fire rating for U.S. & Canada



HES3D-W190DC Dull Chrome



HES3D-E190DN Dull Nickel **HES3D-E190BL** Matte Black **HES3D-E190PN** Polished Nickel **HES3D-E190WT** White



HES3D-W190DN Dull Nickel **HES3D-W190WT** White **HES3D-W190PN** Polished Nickel **HES3D-W190BL** Matte Black

Includes a paper template for installation. For ease of installation, a jig may be purchased, please inquire.



HES2S-140-A125

Material: POM (Steel)/Zinc Alloy

- Surface mounts to the door frame for easy installation.
- Minimum door thickness: 1-1/2"
- Maximum door width: 35-7/16"
- Maximum door height: 106-5/16"
- Maximum door weight: 110 lbs./2 hinges, 143 lbs./3 hinges
- Opens to 125°
- **Door stopper is required to prevent breakage of the hinges!
- Adjustable depth: +/-1/8" vertical and +/-1/8" horizontal with spacer +/-1/16" (Spacer included).
- Successfully passed 300,000 open/close private cycles.

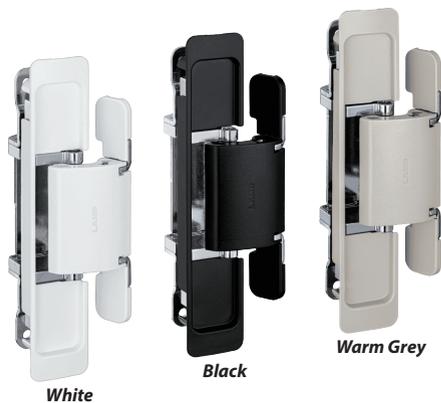


Part #	Finish
HES2S-140-A125-LGR	Light Grey
HES2S-140-A125-DGR	Dark Grey
HES2S-140-A125-BL	Matte Black

HES2S-150-A110

Material: POM (Steel)/SPCC/Zinc Alloy/ABS

- Surface mounts to the door frame for easy installation.
- Minimum door thickness: 1-3/8" (35mm)
- Maximum door width: 35-7/16" (900mm)
- Maximum door height: 106-5/16" (2700mm)
- Maximum door weight: 88 lbs.(40kg)/2 hinges
110 lbs.(50kg)/3 hinges
- Maximum door opening angle 110°. Must use door stopper to prevent damage to hinge!
- Center mounting of hinge allows it to be used on a left-handed or right-handed door.
- 3D Adjustable depth: +/- 3mm vertical and +/-1mm horizontal



Part #	Finish
HES2S-150-A110-WT	White
HES2S-150-A110-BL	Black
HES2S-150-A110-WGR	Warm Grey



Push-To-Open Door Latch



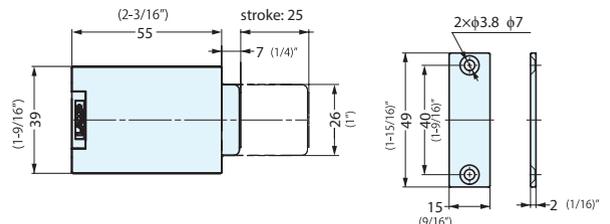
ML-ZN80

Material: Zinc Alloy / Plastic, Stainless Steel strike plate

- For doors up to 36" x 96" with a push force of 11 lbs.
- Ideal for use with the HES3D-E190 Concealed Door Hinge Series, (See pg. H-64)
- Magnet allows tolerance with 1.5° swivel
- Can push doors up to 275 lbs.
- Passed 100,000 open/close private cycle test
- Hidden Mounting Screw Design for clean appearance and easy installation
- Magnetic force of 6.6 lbs. (3 kg)



Part #	Finish
ML-ZN80-WT	White
ML-ZN80-BR	Brown
ML-ZN80-BL	Black



Stainless Steel Euro Hinges

Material: 304 Grade Stainless Steel • **Finish:** Polished

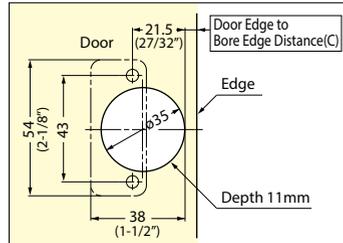


9mm Overlay
23/64" Nominal



19mm Overlay
3/4" Nominal

- Maximum Door Thickness: 3/4" nominal
- Bore Diameter: 35mm (1-3/8" nominal)
- Cup Depth: 15mm (19/32" nominal)
- Bore Distance: 3 - 5mm (1/8" - 13/64" nominal)
- Stainless Steel Screws included



Bore Dimensions

Self-Closing hinges are designed to pull a door shut after it has been opened and released. It will also act to help keep the door closed. **Free Swinging** hinges will open and close freely.

Hinge side opening clearance chart

Door Thickness	Door Edge to Bore Edge Distance (C)		
	3	4	5
15	0.5	0.5	0.5
16	0.7	0.7	0.7
17	0.8	0.8	0.8
18	1.0	1.0	1.0
19	1.2	1.2	1.2
20	1.4	1.4	1.4

Accessories

Mounting Plates

Face Frame Bracket

Part #	Overlay	Type
304B-46/9	9mm	Free Swinging
304B-C46/9	9mm	Self-Closing
304B-46/19	19mm	Free Swinging
304B-C46/19	19mm	Self-Closing



304B-P4A/32



304B-P4A/32-3W

Part #	Description
304B-P4A/32	Mounting Plate
304B-P4A/32-3W	3-Way Adjustable Mounting Plate



FFCB-HG-1

Stainless Steel Concealed Hinge (Soft/Self Close)

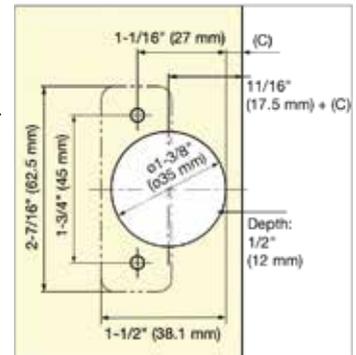


Material: 304 Grade Stainless Steel • **Finish:** Polished



Shown with mounting plate
(Sold Separately)

- Soft Closing
- 304 Stainless Steel hinge body construction for outdoor use.
- Passed 480 hour salt spray test
- Resin casing protects damper from corrosive elements
- Convenient clip-on mounting system with easy release dismount lever
- Soft-close version prevents the door from slamming shut
- Overlay: 9/16" ~ 3/4" (15 ~ 19mm)
- Door Thickness: 9/16" ~ 13/16" (15 ~ 20mm)
- 105° Opening
- 3-Way Adjustable (Overlay, Depth, Vertical)
- Successfully passed 30,000 cycle test
- Full 304 Grade Stainless Steel mounting plate sold separately.
- Stainless Steel Screws included



Bore Dimensions

Hinge side opening clearance chart

Door Thickness	Door Edge to Bore Edge Distance (C)		
	3	4	5
15	0.1	0.1	0.1
16	0.2	0.2	0.2
17	0.4	0.4	0.3
18	0.6	0.5	0.5
19	0.8	0.8	0.8
20	1.1	1.1	1.0



19mm Overlay
3/4" Nominal

Part #	Description
180SUS-D46-19T	Soft Close Damper
180SUS-C46-19T	Self-Close

Mounting Plate (Sold Separately)

180SUS-P6T



Heavy Duty Concealed Hinges



Material: Steel • **Finish:** Nickel



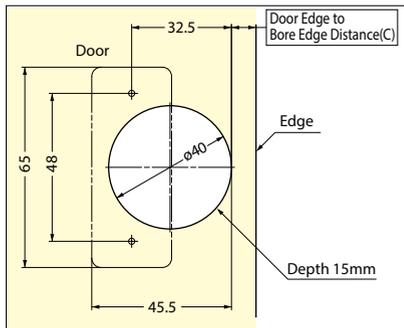
1" Overlay

Self-Closing hinges are designed to pull a door shut after it has been opened and released. It will also act to help keep the door closed. **Free Swinging** hinges will open and close freely.

- Load Capacity: 55 lbs.@2 pcs. • 88 lbs.@3 pcs.
- Maximum Door Width: 31-1/2"@2 pcs. • 35-7/16"@3 pcs.
- Maximum Door Thickness: 1-3/16" nominal
- Bore Diameter: 40mm (1-9/16" nominal)
- Cup Depth: 15mm
- Bore Distance: 3 - 8mm
- Overlay Distance: from 20 - 25mm
- Clip on type for easy installation
- 3-way adjustment with door installed +/- 1/8" Vertical adjustment
+/- 5/32" Overlay adjustment, +/- 5/32" Depth adjustment.
- Requires (6*) M5 or equivalent (**US#10**) screws - sold separately.
*(2 per hinge, 4 per mounting plate)
- Requires mounting plate **J95-P6T** for wood door installation, (Sold separately, see accessories below).

Door edge to bore edge distance / Overlay distance

Door Edge to Bore Edge Distance (C)	3	4	5	6	7	8
Overlay Distance	20	21	22	23	24	25



Bore Dimensions

Hinge side opening clearance chart

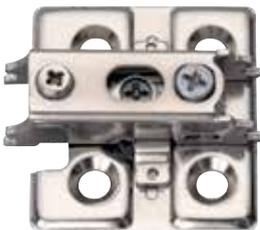
Door Thickness	Door Edge to Bore Edge Distance (C)					
	3	4	5	6	7	8
18	0.3	0.3	0.3	0.3	0.3	0.3
20	0.5	0.5	0.5	0.5	0.5	0.5
22	0.8	0.8	0.8	0.7	0.7	0.7
24	1.1	1.1	1.1	1.1	1.1	1.1
26	1.7	1.6	1.6	1.5	1.5	1.5
28	3.2	2.8	2.5	2.2	2.1	2.0
30	5.0	4.5	4.0	3.6	3.3	3.0
32	6.8	6.2	5.7	5.2	4.8	4.4
34	8.6	8.0	7.5	6.9	6.5	6.0

Mounting Plate sold separately.

If Door Thickness is over 30mm (1-3/16"), the door will need to be chamfered.

Part #	Type	Mounting
J95-24/25T	Free Swinging	Screw On
J95-C24/25T	Self-Closing	Screw On

Accessories



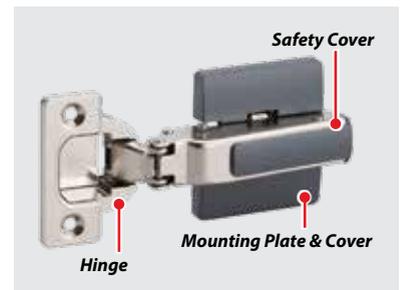
Mounting Plate



Mounting Plate Cover



Safety Cover



Part #	Description	Material	Finish
J95-P6T	Mounting Plate	Steel/Zinc Alloy	Nickel
J95ZC-GR	Mounting Plate Cover	ABS	Gray
J95SC-25GR^	Safety Cover	ABS	Gray

^Safety Cover locks the release lever of J95 hinge for drop out prevention



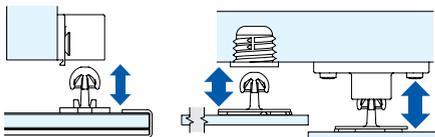
This revolutionary panel mounting system will work with a wide range of panel sizes and materials. Unlike traditional Z bar and panel clips, this system can be utilized for ceiling and wall panels.

Panels are installed head-on and can be affixed in any sequence, ultimately saving the installer time and money.

There are 3 systems to choose from:

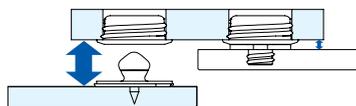
Standard Profile

- Maximum panel weight: Up to 88 lbs. for wall panels. Up to 66 lbs. for ceiling panels.
- Support substrate should be 9/16" or thicker
- Easily installed with the CT-08 tool kit
- Can be used in ceiling applications in conjunction with the panel control system, [see page H-72](#).
- For use with steel, wood, plywood and MDF frames



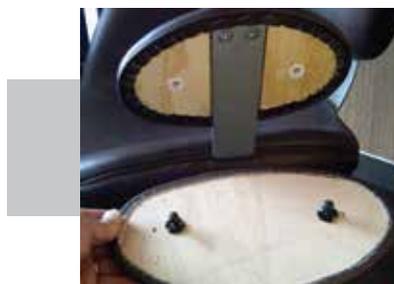
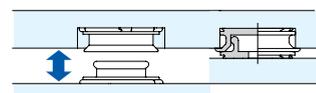
Low Profile

- Maximum panel weight: Up to 88 lbs. for wall panels.
- Support substrate should be 3/8" or thicker
- Easily installed with the LP-08Y tool kit
- Ideally suited for drywall applications when LP-DF8 is used, [see page H-71](#).



Very Low Profile

- For lightweight panels/light duty applications
- No minimum support substrate thickness because female clips can be surface mounted
- Easily installed with 2-part epoxy and the center point alignment tool
- Perfect for mounting removable panels and facing such as wall panels, headboards and inspection panels
- Ideally suited for mounting panels where no drilling is preferred



Standard Profile

- Maximum panel weight: Up to 88 lbs. for wall panels. Up to 66 lbs. for ceiling panels.
- Support substrate should be 9/16" or thicker
- Easily installed with the CT-08 tool kit
- Can be used in ceiling applications in conjunction with the panel control system, [see page H-72](#).
- For use with steel, wood, plywood and MDF frames



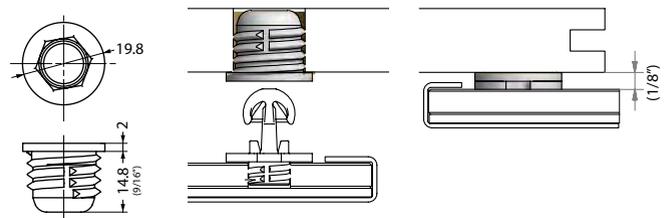
Female clips for Standard Profile are mounted to the support substrate. Choose from these 4 options:

Standard Self-Tapping



PC-F1

- Best option for most applications. Must be used for 9/16" or thicker substrates.
- CP Stainless Steel tip accessory works with female clips and used to mark hole center in panel for correct clip alignment, [see page H-72](#).
- 16.8mm (.66") hole drill required. Install with CT-08 tool kit, [see page H-72](#).

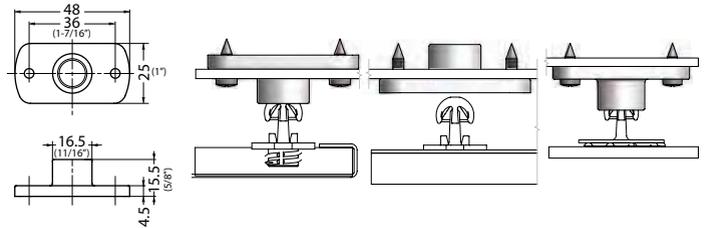


Surface Mount



PC-SF1

- Can be used with thinner support materials such as steel frames.
- CP Stainless Steel tip accessory works with female clips and used to mark center in panel for correct clip alignment, [see page H-72](#).
- Affix with #6 screws

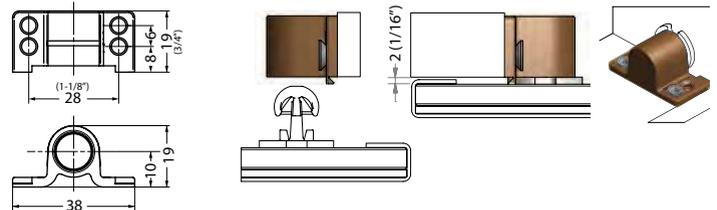


Side Surface Mount



PC-RF1-B

- Ideally suited for corner detail at cabinet, shelf or cabinet floor, *(Not for use on actual flooring)*.
- CP Stainless Steel tip accessory works with female clips and used to mark hole center in panel for correct clip alignment, [see page H-72](#).
- Affix with #6 countersunk screws

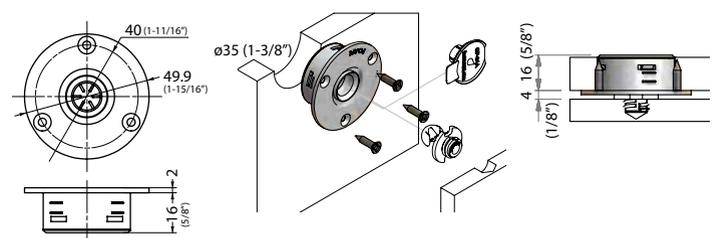


Auto Fit



PC-AF1

- Ideally suited for curved panels. Lateral adjustment provides perfect panel alignment and secure mounting.
- CP Stainless Steel tip accessory works with female clips and used to mark hole center in panel for correct clip alignment, [see page H-72](#).
- Affix with #6 countersunk screws



Standard Profile

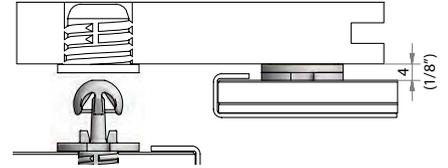
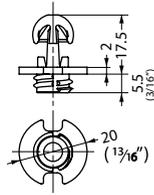
Male clips for Standard Profile are mounted to the panel. Choose from these 6 options:

Standard Self-Tapping



PC-M1B

- Mounts into 3/8" hole
- 11 lb. Pull out force
- Install with CT-08 tool kit, [see page H-72](#).

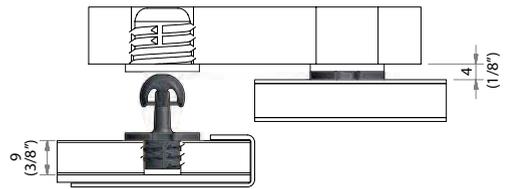
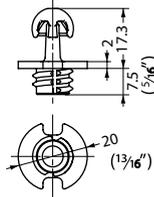


Heavy Duty Self-Tapping



PC-M2H

- Mounts into 3/8" hole
- 22 lb. Pull out force
- Install with CT-08 tool kit, [see page H-72](#).

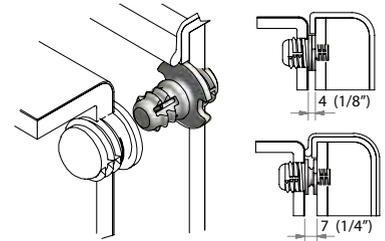
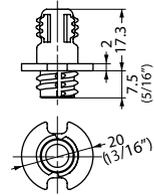


Vario Standard Self-Tapping



PC-VM1

- Mounts into 3/8" hole
- Variable gap 1/8"~1/4"
- 11 lb. Pull out force
- Install with CT-08 tool kit, [see page H-72](#).

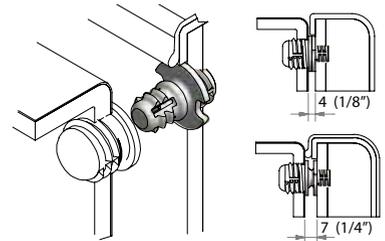
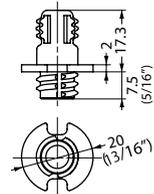


Vario Heavy Duty Self-Tapping



PC-VMX

- Mounts into 3/8" hole
- Variable gap 1/8"~1/4"
- 22 lb. Pull out force
- Install with CT-08 tool kit, [see page H-72](#).

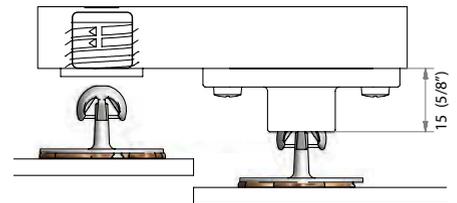
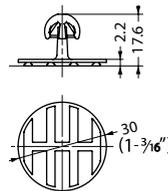


Surface Mount



PC-SM2

- Mounts with 2-part epoxy
- 11 lb. Pull out force
- Affix using a 2-part epoxy adhesive

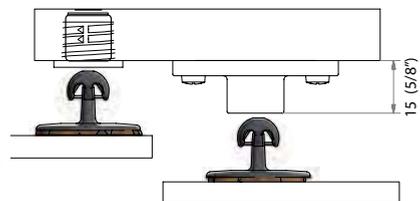
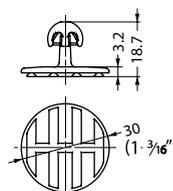


Heavy Duty Surface Mount



PC-SM2H

- Mounts with 2-part epoxy
- 22 lb. Pull out force
- Affix using a 2-part epoxy adhesive



Low Profile

- Maximum panel weight: Up to 88 lbs. for wall panels.
- Support substrate should be 3/8" or thicker
- Easily installed with the LP-08Y tool kit
- Ideally suited for drywall applications when LP-DF8 is used, [see page H-71](#).



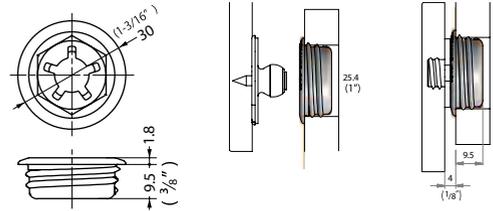
Female clips for Low Profile are mounted to the support substrate. Choose from these 3 options:

Self-Tapping



LP-F8

- Ideally suited for plywood and MDF boards 3/8" or thicker
- CP Stainless Steel tip accessory works with female clips and used to mark hole center in panel for correct clip alignment, [see page H-72](#).
- Mounts into 1" hole
- Install with LP-08Y tool kit, [see page H-72](#).

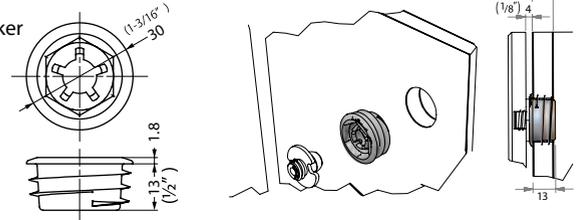


Self-Tapping Coarse Thread



LP-DF8

- Ideally suited for drywall/sheet rock and soft core materials 1/2" or thicker
- CP Stainless Steel tip accessory works with female clips and used to mark hole center in panel for correct clip alignment, [see page H-72](#).
- Mounts into 1" hole
- Install with LP-08Y tool kit, [see page H-72](#).

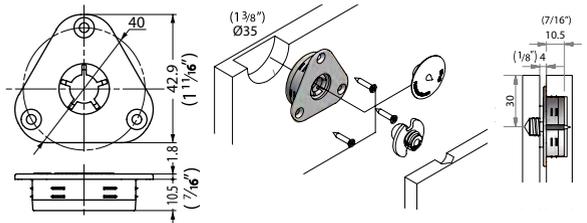


Auto Fit



LP-AF8

- Ideally suited for curved panels 7/16" or thicker
- CP Stainless Steel tip accessory works with female clips and used to mark hole center in panel for correct clip alignment, [see page H-72](#).
- Lateral adjustment provides perfect panel alignment and secure mounting.
- Affix with #4 countersunk screws



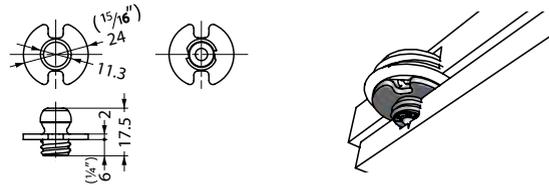
Male clips for Low Profile are mounted to the panel. Choose from these 2 options:

Self-Tapping



LP-M8A

- Mounts into 3/8" hole
- 11 lb. Pull out force
- Install with LP-08Y tool kit, [see page H-72](#).

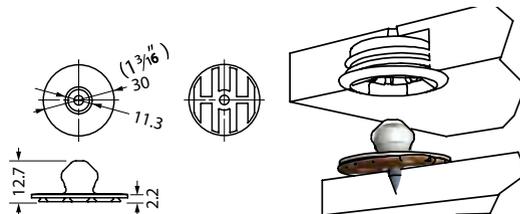


Surface Mount



LP-SM8AS

- Affix with #4 screw or a 2-part epoxy adhesive
- 11 lb. Pull out force
- Install with LP-08Y tool kit, [see page H-72](#).



Very Low Profile

- For lightweight panels/light duty applications
- No minimum support substrate thickness because female clips can be surface mounted
- Easily installed with 2-part epoxy and the center point alignment tool
- Perfect for mounting removable panels and facing such as wall panels, headboards and inspection panels
- Ideally suited for mounting panels where no drilling is preferred

Female clips for Very Low Profile are mounted to the support substrate. Male clips are mounted to the panel. Choose from these 2 clip sets:

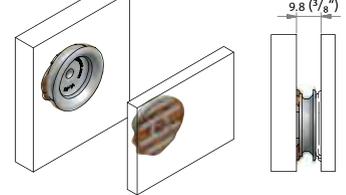
Standard Male/Female Clip Set



VL-03
Pull out Force: 11 lbs.

- Surface or recess mount into 1" hole
- Can be installed with included stainless steel screw or affixed with 2-part epoxy glue
- CP Stainless Steel tip accessory works with female clips and used to mark hole center in panel for correct clip alignment, [see below](#).

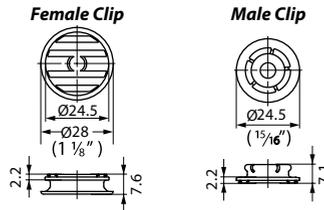
Surface Mount



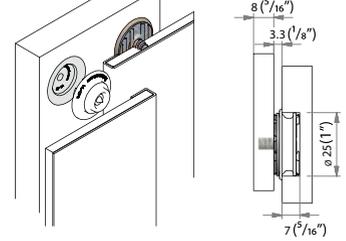
Heavy Duty Male/Female Clip Set



VL-03H
Pull out Force: 22 lbs.



Recess Mount



Accessories

Installation Tool Sets include carbide tipped drill bits, installation tools, panel removal tool. **(Required for 1st purchase)**



CT-08
Use with: Standard Profile



LP-08Y
Use with: Low Profile

Stainless Steel Center Point Tip works with female clips and used to mark hole center in panel for correct clip alignment. **(Optional)**



CP-01-ST
Use with:
Standard Profile



CP-08ST
Use with:
Low Profile

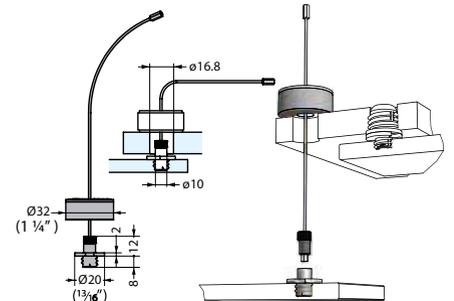


VL-CP3
Use with:
Very Low Profile

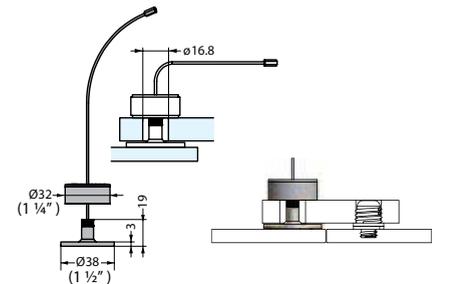
Panel Control System used in conjunction with standard profile clips to provide additional security and control. This allows for convenient service behind the panel or controlled removal of the panel by releasing the wire. The drop length for this stainless steel cable is 5-7/8".



PS-150E
Use with:
Self-Tapping
Standard Profile

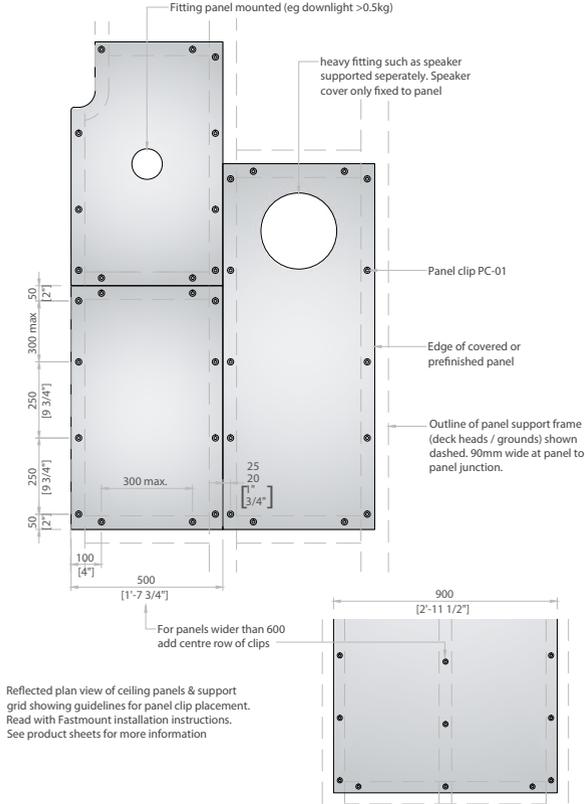


PS-S150E
Use with:
Surface Mount
Standard Profile

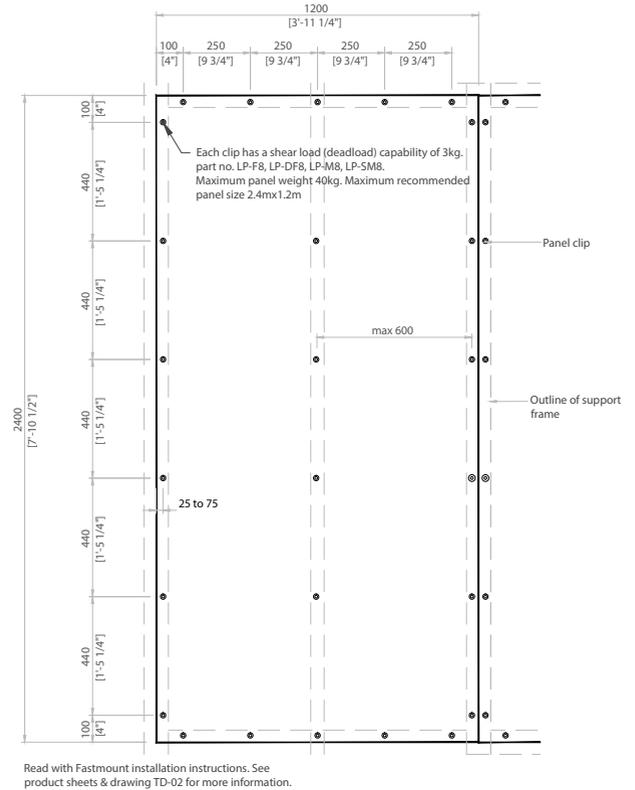


Technical Layout Guidelines

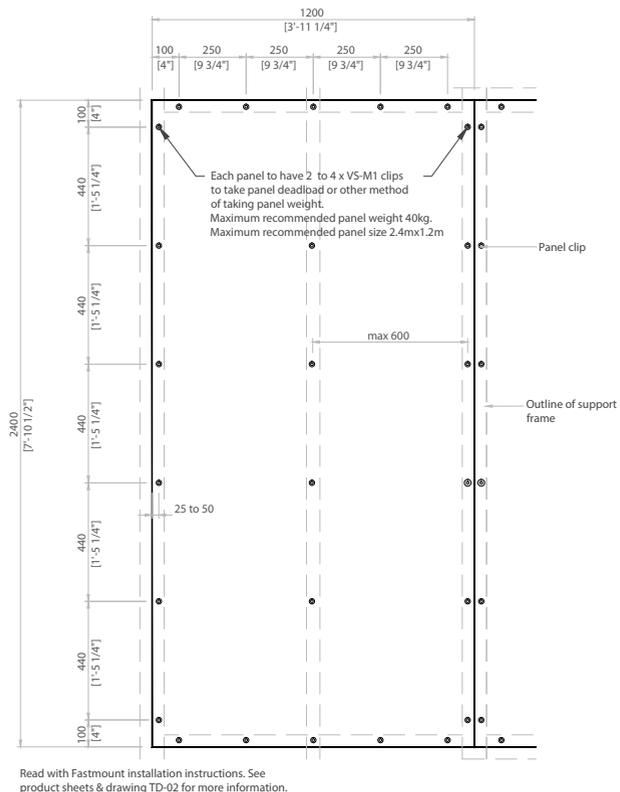
Example for Ceiling Panels using Standard Profile Clips



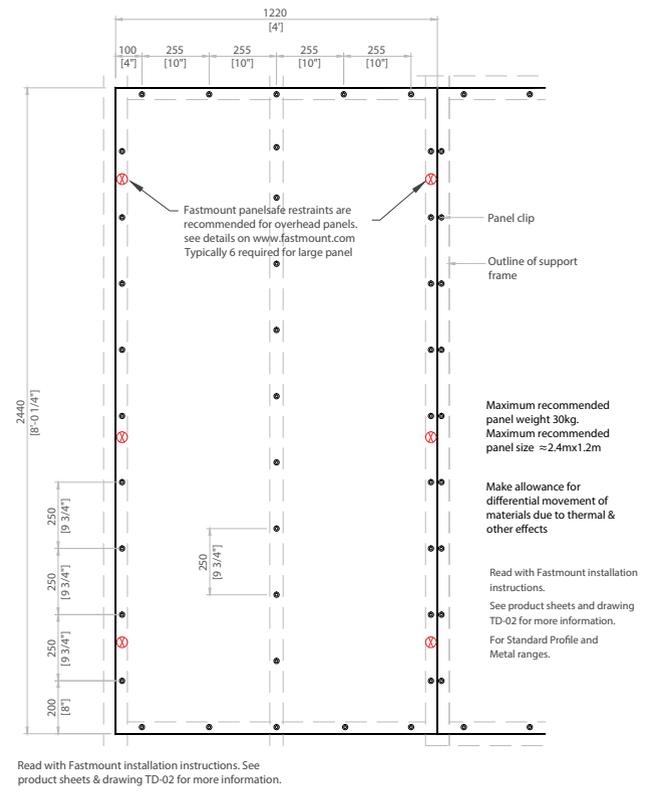
Example for Large Wall Panels using Low Profile Clips



Example for Large Wall Panels using Standard Profile Clips



Example for Large Ceiling Panels using Standard Profile Clips



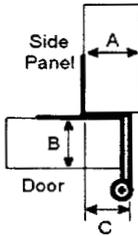
5 Knuckle Hinges

ECO INSTITUTIONAL HINGE



Material: Powder Coated Steel
44 lb. Load Rating

- 2-3/4" five knuckle hinge
- Designed for 32mm hole system
- Radius ground hospital tips
- Matte Chrome finish
- 270° opening angle



Part#	Dimensions		
	A	B	C
INSHIN-34	3/4"	3/4"	23/32"

INSTITUTIONAL HINGE

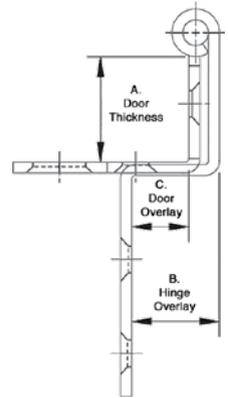


Material: Steel
**Gloss White (*GW), Gloss Black (*GB),
Dull Chrome (*DC)**

**Made
in USA**

- Industry standard 2-3/4" five knuckle hinge
- ANSI/BHMA 156.9 Grade 1 compliant
- Durable .090" cold rolled steel
- Hospital tips
- 270° opening angle
- Non-removable knurled pin
- Uses #8 or Euro screws. Sold separately

Part#	Dimensions		
	A	B	C
IH-E60-*	13/16"	23/32"	15/32"
IH-G60-*	3/4"	23/32"	15/32"



STAINLESS STEEL INSTITUTIONAL HINGE

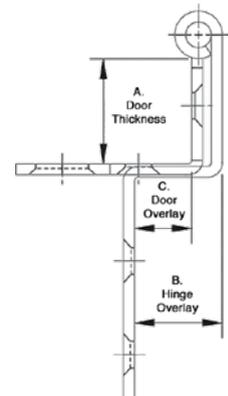
Material: 304 Stainless Steel
Finish: Brushed Stainless

- Industry standard 2-3/4" five knuckle hinge
- Exceeds ANSI/BHMA 156.9 grade 1 requirements
- .095" Stainless Steel
- Hospital tips
- 270° opening angle
- Precision drawn pin
- Countersunk holes for #8 screws



Part #	Dimensions		
	A	B	C
IH-E60-SS	13/16"	23/32"	15/32"

**Screws Sold Separately, See Page G-32*



Double Action Spring Hinge

Material: Steel

- Allows door to swing back and forth
- For doors up to 1-1/8" thick
- Screws & instructions included
- Dimensions: 4-7/8" high x 3-1/2" wide



Part#	Color
DAH-BRS	Brass
DAH-BLK	Black

Spring Hinge

Material: Steel
Finish: Matte Brass

- Non handed
- Surface mount
- 2" high x 1-3/4" wide

Part #
SPH-1610-BRS

**#6 Color Match Screws Included*

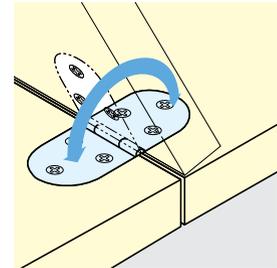
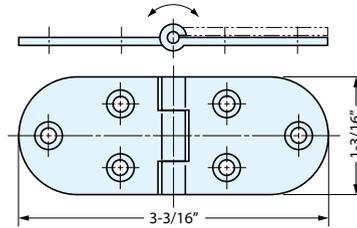


Tabletop Hinge



Material: Steel, 304 Grade Stainless Steel • **Finishes:** Chrome, Satin

- **Door Size:** Max. 17-3/4" W x 27-9/16" H x 53/64" Thick
- **Door Weight:** Max. 4.4 lbs./each or 8.8 lbs./pair
- Stainless Steel Screws included



Part #	Material	Finish
SMH-83/S	304 Stainless Steel	Satin
SMH-83/CR	Steel	Chrome

Drop Lid Hinge (3-Way Adjustment)



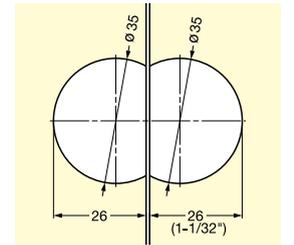
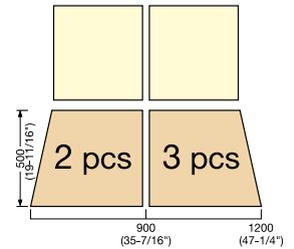
Material: Nickel Plated Steel/ABS

- 3-Way adjustment, (Overlay, Horizontal, Door Gap)
- Flush when opened
- Can be used with soft down stay CSD-10-TV, SDS-100 or NSDX
- Screws not included
- **Door Specifications:**

Door Thickness: 16-20mm (5/8" - 25/32")

Door Dimensions:

- Using 2 Hinges: Max. H500 x W900mm (H19-11/16" x W35-1/2")
- Using 3 Hinges: Max. H500 x W1200mm (H19-11/16" x W47-1/4")



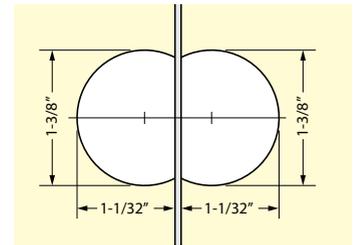
Part #	Finish
SDH-P/BL	Nickel/Black Covers
SDH-P/NI	Nickel/Nickel Covers
SDH-P/WT	Nickel/White Covers

Drop Lid Hinge



Material: Zinc Alloy • **Finishes:** Nickel, Black

- Opening angle 90°
- 2-Way adjustment, (Overlay and Door Gap)
- Flush when opened, ideal for writing desk application
- Can be used with soft down stay SDS-100, NSDX-10 or HDS-10
- **Door Thickness:** 5/8" - 3/4"
- **Overlay Coverage:** 9/16" - 5/8"
- Screws not included



Part #	Finish
SDH-001/NI	Nickel
SDH-001/BLK	Black

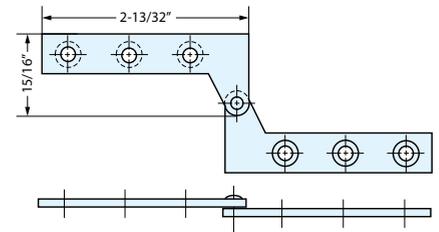
Inset Door Pivot Hinge



Left handed model shown

Material: 430 (Marine) Grade Stainless Steel • **Finish:** Unfinished

- **Door Size:** Max. 17-3/4" W x 27-9/16" H
- **Door Weight:** Max. 2.85 lbs./each or 5.7 lbs./pair
- Use 2 hinges per door
- Screws not included



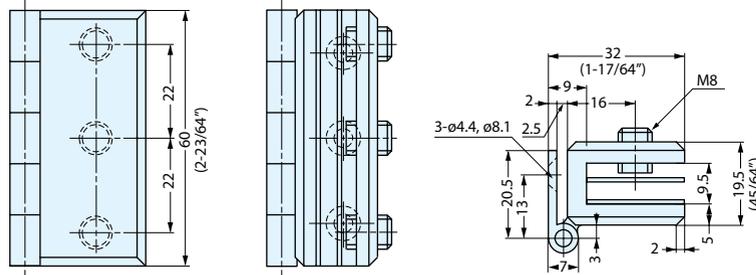
Part #	Type
PP-L	Left
PP-R	Right

Material: 304 Grade Stainless Steel • **Finish:** Polished

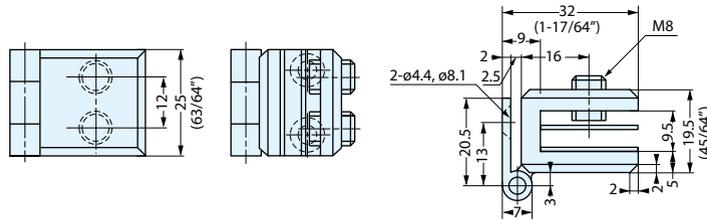
- Pressure fit hinges do not require glass to be cut!
- Use with Door Thickness 4~6mm (5/32"~1/4" nominal)
- 2 Spacers required for 4mm Door Thickness
- Stainless Steel Screws included



XL-GH01-600



XL-GH01-250



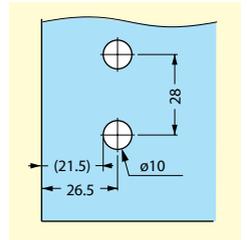
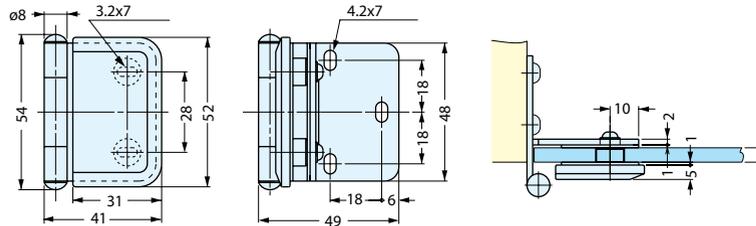
Part #	Max. Door Size	Max. Door Weight
XL-GH01-250	15-3/4" W x 23-5/8" H	10.5 lbs./pair
XL-GH01-600	17-3/4" W x 51-3/16" H	22 lbs./pair

- Medium size hinge for glass/acrylic doors
- Use with Door Thickness 5~8mm (13/64"~5/16" nominal)
- Screws not included

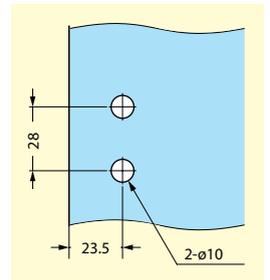
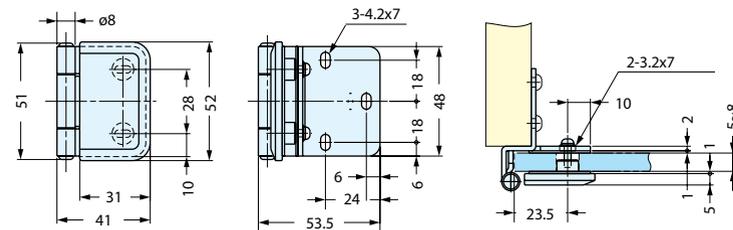
Part Name	Material	Finish
Body	304 Stainless Steel	Mirror
Plate	Zinc Alloy	Plain
Pad	Polyethylene	Chrome
Cap Screw	304 Stainless Steel	Natural



XL-GH03-48-OCR



XL-GH03-48-8CR



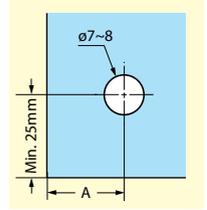
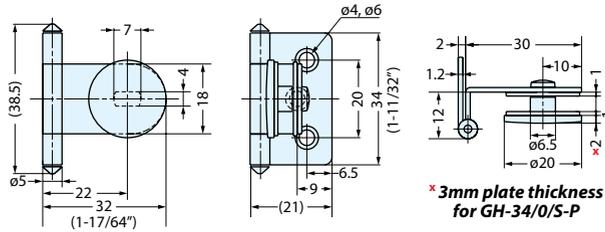
Part #	Hinge Type	Max. Door Size	Max. Door Weight
XL-GH03-48-OCR	Inset	25-19/32" W x 35-7/16" H	26.4 lbs./pair
XL-GH03-48-8CR	Half Overlay	25-19/32" W x 35-7/16" H	26.4 lbs./pair

Inset



- Hinge for glass/acrylic doors
- Door Thickness: 4~6mm (5/32"~1/4" nominal)
- Maximum Door Size: W 450mm x H 700mm (W 17-3/4" x H 27-9/16")
- Maximum Door Weight: 4kg/pair (8.8 lbs./pair)
- Door catch and screws not included

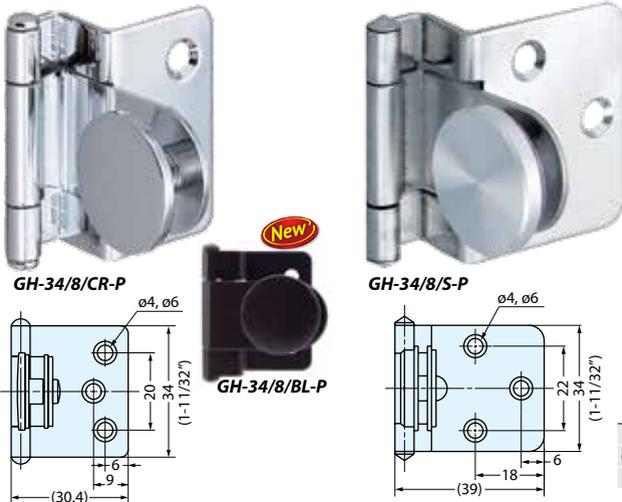
All hinges come with a clear PVC washer and cap screw.



Part #	Body Material	Plate Material	Cap Screw Material	Finish
GH-34/0/CR-P	Steel	Brass	Nickel Plated Steel	Chrome
GH-34/0/S-P	304 Stainless Steel	Aluminum	304 Stainless Steel	Stainless Steel

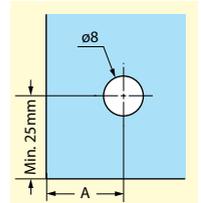
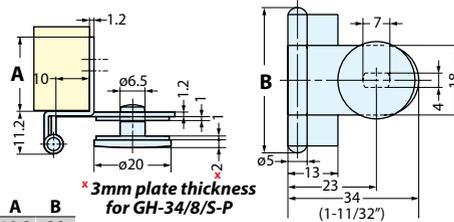
Glass (mm) Thickness	A (mm)
4	19
5	18
6	17

Half Overlay



- Hinge for glass/acrylic doors
- Door Thickness: 4~6mm (5/32"~1/4" nominal)
- Maximum Door Size: W 450mm x H 700mm (W 17-3/4" x H 27-9/16")
- Maximum Door Weight: 4kg/pair (8.8 lbs./pair)
- Door catch and screws not included

All hinges come with a clear PVC washer and cap screw.



Part #	A	B
GH-34/8/BL-P	19.2	38
GH-34/8/CR-P	19.2	38
GH-34/8/S-P	27.8	37.6

Part #	Body Material	Plate Material	Finish
GH-34/8/BL-P	Steel	Brass	Black
GH-34/8/CR-P	Steel	Brass	Chrome
GH-34/8/S-P	304 Stainless Steel	Aluminum	Stainless

Glass (mm) Thickness	A (mm)	Overlay (mm)
4	19	8
5	18	7
6	17	6

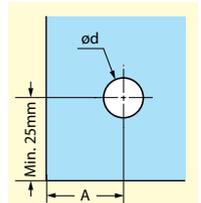
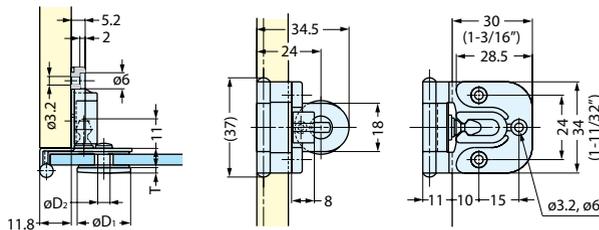
Half Overlay with Catch



- Hinge will hold door in closed position without secondary support
- Door Thickness: 4~6mm (5/32"~1/4" nominal)
- Maximum Door Size: W 450mm x H 700mm (W 17-3/4" x H 27-9/16")

- Maximum Door Weight: 4kg/pair (8.8 lbs./pair)
- Screws not included

All hinges come with a clear PVC washer, nickel plated cap screw and black polyacetal catch.



Part #	Body Material	Plate Material	Finish
GHC-34/8/CR	Steel	Brass	Chrome
GHC-34/8/PB	Steel	Brass	Polished Brass
GHC-34/8/BLK	304 Stainless Steel	Aluminum	Black

Glass (mm) Thickness	A (mm)	Overlay (mm)
4	19	7
5	18	6
6	17	5

Soft Close Hydraulic Hinge



SFT-HINGE-F

SFT-HINGE-H

SFT-HINGE-I

• NO MORE SLAMMED DOORS!

Hydraulic cylinder provides soft closing action

• NO EXTRA ACCESSORIES!

Built-in cylinder makes closing doors easy

- Clip-on system
- Full overlay, half overlay, and inset options available
- For frameless application only

Part#	Description
SFT-HINGE-F	110° Full Overlay Hinge with Plate
SFT-HINGE-H	110° Half Overlay Hinge with Plate
SFT-HINGE-I	110° Inset Hinge with Plate

MOUNTS WITH #6 x 5/8" SCREWS INCLUDED

Concealed Metal Hinge



ONE HINGE DOES IT ALL; FITS ANY FRAME-LESS CABINET

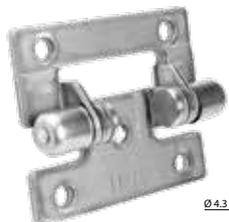
The CONCEALED METAL HINGE is surface mounted - this means no routing of door or cabinet. Made of cold rolled steel with a bright nickel finish and a stainless steel spring. All pins & rivets are zinc plated for long life.

- Overlay, adjustable from 0 to 3/4"
- 3/8" inset
- Full inset
- Allows door to open over 150°
- Built-in closing mechanism
- Screws not included



Part#
SG-225

Torque Hinge



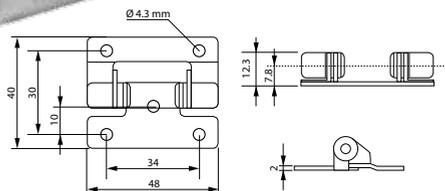
- Material: 304 Stainless Steel
- Holds lid in any position/angle - no additional hardware needed
- 180° opening angle
- Moves with ease
- Innovative torsion mechanism
- Support heavier lids just by adding more hinges
- Corrosion and heat resistant
- Cycle tested at 20,000 times
- Surface mount
- #8 Pan head screw recommended - (Not included)



Part#	Finish
TH-14MN	Matte Nickel
TH-14BN	Black Nickel

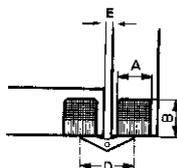
#8 Pan Head Screws

Part #	Finish	Size
SCR-8625PHZ	Zinc	#8 x 5/8"



Solid Brass Non-Mortise Cylinder Hinge

**FOR DOORS OR FLAPS
180° OPENING ANGLE**



Part #	A	B	D	E
H-240-10	10mm	11mm (7/16")	16.5mm (21/32")	2.5mm (3/32")
H-240-12	12mm	13.5mm (17/32")	20mm (25/32")	3.5mm (9/64")
H-240-14	14mm	15.5mm (5/8")	23mm (29/32")	3mm (1/8")
H-240-16	16mm	16.5mm (21/32")	25mm (1")	3mm (1/8")
H-240-18	18mm	17.5mm (11/16")	27mm (1-1/16")	3mm (1/8")

Part #	Size	For Wood Thickness
H-240-10	10mm	1/2"
H-240-12	12mm	5/8"
H-240-14	14mm	3/4"
H-240-16	16mm	7/8"
H-240-18	18mm	1-1/8"

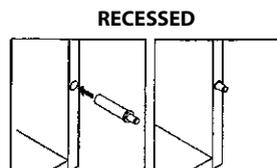
Soft Close Dampers

MEDIUM DUTY

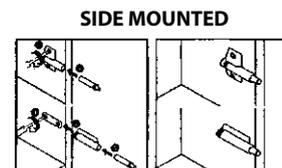


10mm Dia.

- Softens impact of door against cabinet
- Can be recessed into the cabinet side or mounted to the table.
- Suitable for double doors, inset doors & face frame applications.
- Use 2 dampers for door heights over 3'



RECESSED



SIDE MOUNTED

Part#
SFT-MAD-GY

Butler Hinge

Material: Solid Brass
Finish: Bright Chrome
Opening Angle: 90°
Dimensions: 1-3/16" W X 3-5/32" L
Thickness: .079" (2MM)



Part #
BTH-3080-CHR

**Mounts with #8 Screws. Sold Separately, See Page G-32*

Sewing Machine Hinge

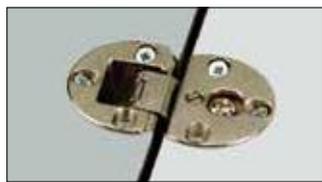
Material: Steel
Finish: Bright Brass
Opening Angle: 180°
Dimensions: 1-3/16" W X 3-5/32" L
Thickness: .071" (1.8MM)



Part #
SMH-3080-BB

**Mounts with #8 Screws. Sold Separately, See Page G-32*

Flap Door Hinge



Material: Steel

- Opening angle 90°
- For flap door thickness up to 20mm
- Cup boring cover
- Bottom and flap door are flush inside the cabinet when doors are open.
- 3-D adjustable
- Sold in pairs

Part #
FLAP-750

Table Flap Hinge

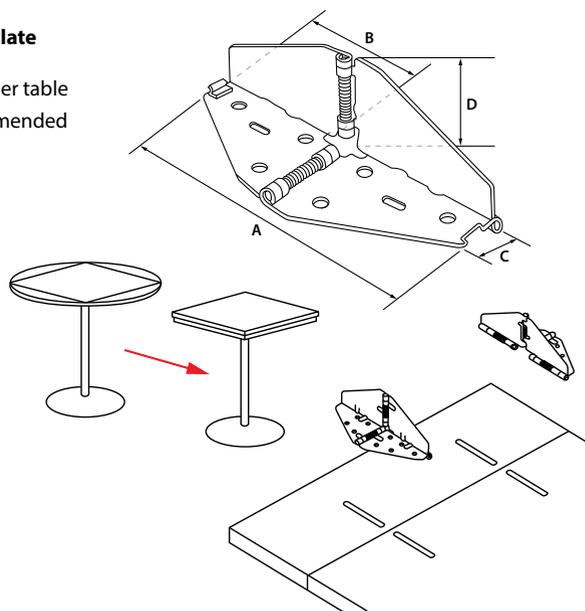


Material: Steel
Finish: Yellow Zinc Plate

- Leaf folds back 180° under table
- 2 hinges per leaf recommended

Part #	Screw Size	A	B	C	D
HDW-1999	#8	6-5/16"	2-15/16"	5/8"	2-1/8"
HDW-2999	#10	7-7/8"	3-1/8"	1-1/2"	2-5/8"

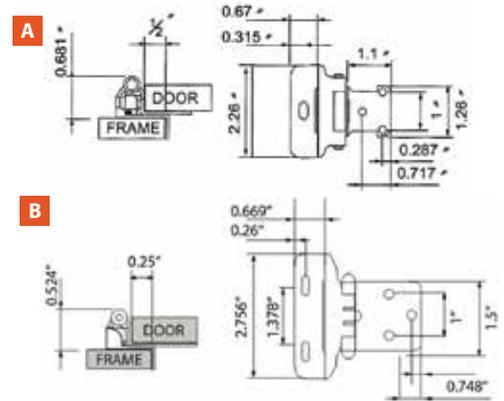
**8 Screws Per Hinge Required. Sold Separately. See Page G-32*



Face Frame Hinges

Material: Steel
5 Finishes Available

- Self Closing
- Matching Screws Included

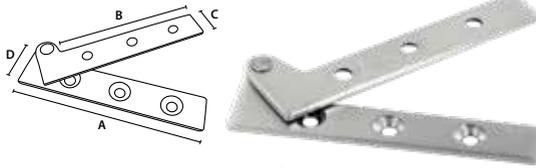


Part #	Type	Overlay	Finishes
A H3-46*	Full Wrap	1/2"	Antique Brass (*AB) Satin Nickel (*SN) Polished Chrome (*PC)
B H3-25*	Partial Wrap	1/4"	Matte Black (*MB) Bright Brass (*BB)

Pivot Hinges

Pivot Hinge

Material: 201 Stainless Steel,
Brushed Finish
Opening Angle: 250°



Part#	Load Rating	Thickness	Dimensions			
			A	B	C	D
PIVHIN-65-SS	22 lbs.	1/16" (1.5mm)	2-9/16" (65mm)	2-1/8" (54mm)	9/16" (14mm)	7/8" (22mm)
PIVHIN-75-SS	22 lbs.	1/16" (1.5mm)	2-15/16" (75mm)	2-9/16" (65mm)	9/16" (14mm)	7/8" (22mm)
PIVHIN-100-SS	33 lbs.	1/8" (3mm)	3-15/16" (100mm)	3-1/2" (89mm)	5/8" (16mm)	1-1/4" (32mm)

*Mounts with #6 x 1" Screws, Not Included. 12 Screws Per Pair Required. See Page G-32

Mini Pivot Hinge

Material: Steel
Finish: Statuary Bronze
Opening Angle: 270°

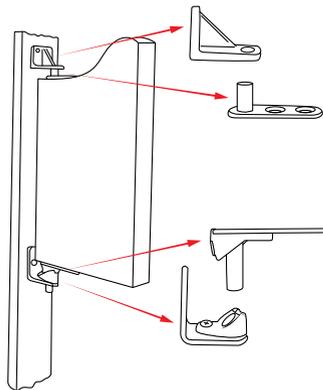
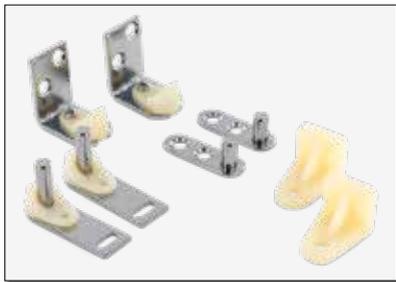


Part#	Thickness	Dimensions			
		A	B	C	D
PIVHIN-19-SB	1/16"	1-1/2"	7/16"	5/16"	3/4"
PIVHIN-28-SB	1/16"	1-3/4"	7/8"	3/8"	1-1/8"

*Matching Screws Included

Cafe Door Pivot Hinge

Material: Steel
Opening Angle: 180°
1 Set = 2 Doors

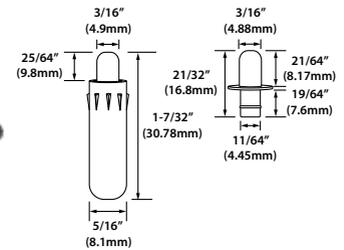


Part #	Load Rating	Door Thickness	Finish
CAFHIN-BB	30 lbs.	3/4" - 1-3/4"	Bright Brass
CAFHIN-PC	30 lbs.	3/4" - 1-3/4"	Polished Chrome

*All Mounting Hardware Included

Economy Pivot Hinge

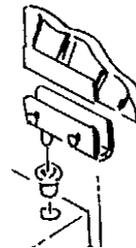
Material: Nylon
Color: Brown
1 Set = 1 Doors



Part #	Door Thickness
50512-BR	1/2" Minimum

No-Bore Glass Door Hinge

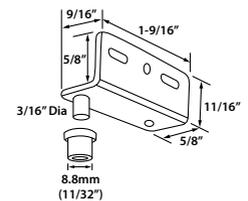
Material: Steel
• For 1/4" Glass



Part #	Color
30023-CHR	Chrome

Wood Door Pivot Hinge

Material: Steel
For 9/16" - 3/4" Thick Doors



Part #	Color
50523-BK	Black

*Mounting Screws Included

Create your own "Hidden Door" with our line of pivot & bi-fold hinges.

Pivot Hardware Kit

- Bronze finish
- Material: Heavy duty solid steel
- Weight load is 500 lbs.
- Build your own hidden door bookcase or order one ready-made, [\(see pages I-26~27\)](#)
- For inswing or outswing & left or right handing



Includes:

(4) Hinge Plates

Hinge plate #1 (Bottom of bookcase)

Hinge plate #2 (threaded hole mounted on top of bookcase)

Hinge plate #3 (with bearing mounted on threshold)

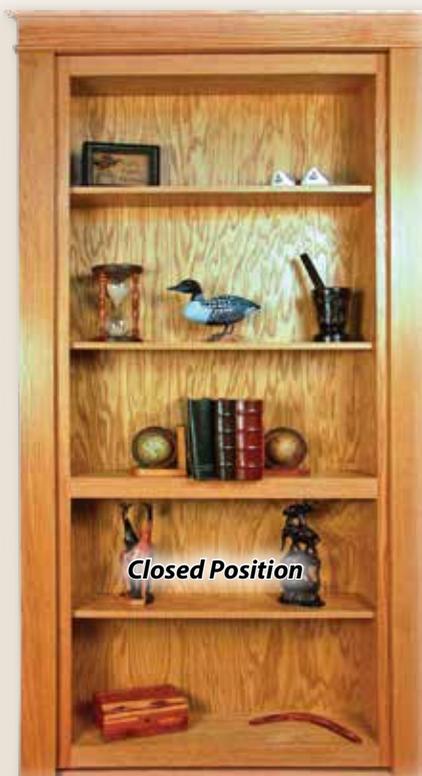
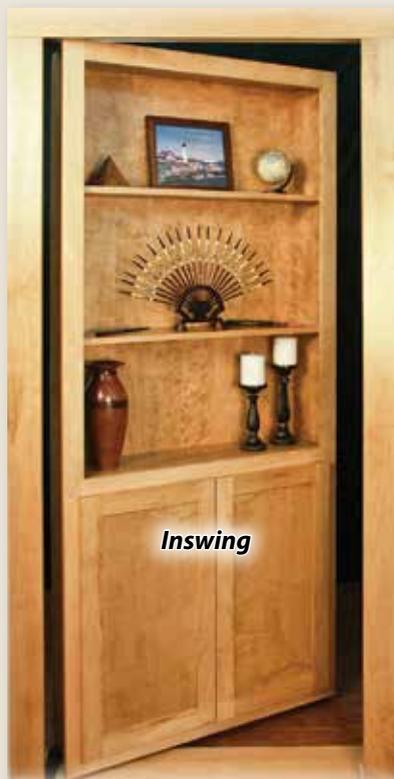
Hinge plate #4 (upper door jamb)

(1) Pack of screws for hinge plates

(1) Shoulder bolt

(1) Foot guide with screws and teflon plate

HBC-HINGEKIT





Build your own bi-fold hidden bookcase with our bi-fold hinge kits. The doors fold out into the room and off to the side. This is a surface mount application so the bookcases can be larger than the door opening. These hardware kits allow you to create a bi-fold hidden door that can be used to conceal a safe room, wine cellar, or a man cave. It's designed to mount in front of a closet or hidden room and accommodates 48" - 72" W doors (total width).

Bi-Fold Hardware Kit *For No Valance*

For use on doors where a valance won't be used or there are height limitations.

- Total weight load capacity: 300 lbs.

Includes:

- (1) Upper valance track
- (1) Piano hinge
- (1) Lower track
- (1) Lower wheel assembly
- (1) Pivot assembly
- (1) Pack of shelf supports
- (1) Pack round washer head screws (mounting valance)
- (1) Pack truss head screws (mounting plates)
- (1) Pack flat head screws (mounting tracks)
- (1) Pack brass screws (mounting piano hinge)



BFH-NV-KIT



Bi-Fold Hardware Kit *For Use On Doors with Valance*

- Total weight load capacity: 300 lbs.

Includes:

- (1) Wall mount track
- (1) Piano hinge
- (1) Lower track
- (1) Lower wheel assembly
- (1) Pivot assembly
- (1) Track stop
- (1) Pack of shelf supports
- (1) Pack black oxide screws (mounting wall track)
- (1) Pack truss head screws (mounting plates)
- (1) Pack flat head screws (mounting tracks)
- (1) Pack brass screws (mounting piano hinge)



BFH-KIT



Murphy Bed Hardware

- **HEAVY DUTY STEEL FRAME:** Engineered to outperform aluminum or wood components.
- **PRECISE:** Take the guesswork out of wall bed manufacturing and assembly. The exact equation to bring the cabinet and the lift mechanism together.
- **ADAPTABILITY:** Specifically engineered for use with leading wall bed mechanisms.
- **DURABILITY:** Tested to perform thousands of cycles without failure.
- **HARDWARE ONLY:** *It does not include cabinets or bed.*

Alpha Panel Bed Hardware Kits

Material: Steel

- **Space Age Heavy Duty Mechanism:** Designed for every day use in residential or commercial installation. Balances with fingertip control for ease of operation. Mounts to vertical side walls of cabinet.
- **Adjustable Tension To Balance:** Apply varying spring combinations to balance all bed sizes, Single through King, vertical or horizontal mount.
- **Compact:** Needs only 1" of cabinet width on each side.
- **Strength And Load:** Will handle all sizes of beds and the mattresses needed for ultimate comfort.



VERTICAL

HORIZONTAL



Shown Installed. Kits do not include cabinets or bed.



Spring Balance Lift Mechanism



Trip-Free Fold-Away Legs

Part #	Description
SBF-S2	Single/Twin Frame 13" Leg
SBF-S2HZ	Single/Twin Frame 13" Leg - Horizontal Leg
SBF-S2XL	Single/Twin Queen Length Frame 13" Leg
SBF-D2	Double/Full Frame 13" Leg
SBF-D2HZ	Double/Full Frame 13" Leg - Horizontal Bed
SBF-D2XL	Double/Full Frame Queen Length Frame 13" Leg
SBF-Q2	Queen Frame 13" Leg
SBF-Q2HZ	Queen Frame 13" Leg - Horizontal Bed
SBF-K2	King Frame 13" Super Leg (<i>extra strength</i>)

*Note: All frames are standard 13" legs.
11" legs are available if required at no extra cost.*

Next Bed Hardware Kit - Steam Bent Birch Euro Slats Standard

Material: Steel

- Smallest Footprint of any Wallbed - Less than 16" with a standard mattress!
- Steel Spring Covers for a Safe and Finished appearance.
- Automatic, self-extending Legs with protective floor caps.
- Finger-tip Up and Down operation (the best balanced Wallbed in the industry).
- Base Board mount for no ruined floors or walls or ripped carpet.

Part #	Description
NXT-S	Next Bed - Single
NXT-D	Next Bed - Double
NXT-Q	Next Bed - Queen



Mattress not included

- **LIBRARY BED:** BC-1 Pivoting Bookcase and BC-2 Sliding Bookcase are used with Single, Double or Queen size Next Beds. Next Bed is the center of the system and is purchased separately.
- **STUDIO:** SWBD - Studio Wallbed Desk is used with Single, Double, Queen or King Alpha Bed. Hardware only adapts to vertical beds. Alpha Bed sold separately.
- **CABINET CUTLISTS:** Cabinet specifications including cut sizes, edgbanding specs and drilling patterns included with all products.
- **HARDWARE ONLY:** *It does not include cabinets or bed.*

Library Bed Pivoting Bookcase Hardware Kit

- Common Hardware components function to operate Single, Double, and Queen beds.
- All Steel Construction with Brass bushings to support weight of bookcases.
- All sizes of BC-1 units fit into the width of the bed cabin itself.
- Cut List and Assembly instructions included for all sizes.
- Hardware only.

Part #

BC-1



Library Bed Sliding Bookcase Hardware Kit

- Common Hardware components function to operate Single - Double - and Queen Library Beds™. Track is cut by installer to reduce from Queen to Double or Single bed.
- 4 Wheel Nylon Carriers support up to 300 lbs each.
- 2 piece Aluminum Track butts in center so the Nylon Carriers never cross at the seam.
- Heavy Steel tubular Top Spanner Supports cases over center span, concealed by Top Facia.
- Aluminum stops with rubber bumpers keep cases on center.
- Nylon Roller Bottom Guides keep cases vertical and eliminate need for bottom track.

Part #

BC-2



Studio Wallbed Desk Hardware Kit

- Mounts on bed face of all sizes of Alpha Vertical Beds.
- Steel Powder Coated Hardware.
- Desk/table remains in horizontal position so laptop and other "in work" materials do not need to be moved.
- Choose matching or contrasting finish of bed cabinet.
- May be retro-fitted at future date if user so wishes.

Part #

SWBD



The "Simple Solution" for Maximizing Storage Space & Convenience

- Material: ABS Plastic & Maple
- Can be used with face frame or frameless cabinets
- Installs easily with a screw driver & adjusts without tools



Hook Dowels are Included In All Kits

Unique hook dowels allows you to work with most full extension European & undermount drawer slides. Hooks get connect to drawer slides.



Standard Supports (All Inclusive Kits)

Includes 4 Supports, 4 Hook Dowels (Full Extension/European), Mounting Screws & Installation Instructions

Part #	Thickness	Length	Color	Sets Per Carton
A QT10-*	1" W / .250" Standoff	20.157"	White (*WH)	20
			Cream (*CR)	20
			Maple (*MP)	5
B QT14-*	1-1/4" W / .325" Standoff	20.157"	White (*WH)	20
			Cream (*CR)	20
			Maple (*MP)	5
C QT20-*	2" Without Standoff	20.157"	White (*WH)	20
			Cream (*CR)	20
			Maple (*MP)	5

Black & Metallic Silver Available- Please Inquire

Short Support Sets (All Inclusive Kits)

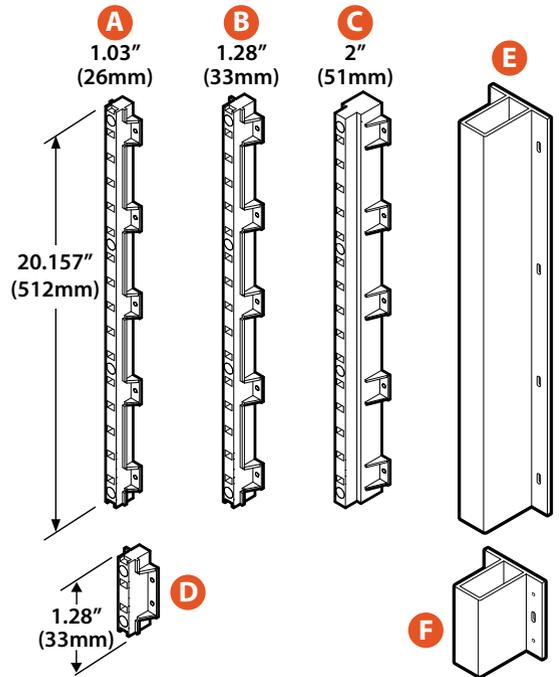
Includes 4 Supports, 4 Hook Dowels (Full Extension/European), Mounting Screws & Installation Instructions

Part #	Thickness	Length	Color	Sets Per Carton
D QT14S-*	1-1/4" W / .325" Standoff	1.28"	White (*WH)	25
			Cream (*CR)	25

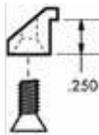
Center Partition Support (All Inclusive Kits)

Includes 2 Supports, Mounting Screws & Installation Instructions

Part #	Dimensions	Color	Sets Per Carton
E QTP-*	2-1/4" W x 20"L	White (*WH)	12
		Cream (*CR)	12
F QTS-*	2-1/4" W x 4"L	White (*WH)	12
		Cream (*CR)	12



Quik Tray Mounting Hardware



Hook dowel for undermount drawer slides

Part #	Description	Sets Per Carton
QTHK-U	Set of 8 & Screws	50

11.5MM Tray Bumper Beige: 2 Bumpers & 2 Screws Per Set: See Page G-24

18MM Tray Bumper Beige- 2: See Page G-24

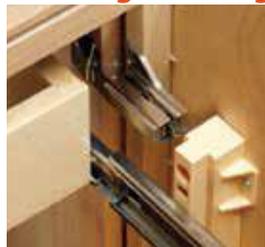
No Need To Change Existing Cabinets



Face Frame with Low Profile Hinge



Frameless Cabinet with Concealed Hinge



2" Support with Long Arm Hinge & Face Frame Cabinet



Short Supports for Low Profile Cabinets



Quik Tray supports can be mounted to center partition supports instead of wood stile



INSET Pocket Door System Slides For 1 Door



- Material: Chromate Steel / Silver Anodized Aluminum Alloy
- Finish: Silver Anodized / Chromate
- Available slide lengths: 16", 19", 22", 24" and 28".
- Durability: successfully passed 40,000 open/close private cycles.
- Door Width: Maximum 24" (610 mm)
- Door Thickness: 11/16"~ 1-3/16" (18 - 30 mm)
- 5-speed adjustable soft-closing dampers

ALT-ST15-D360

• For Doors up to 63" (1600 mm) tall weighing up to 33 lbs (15 kg).



ALT-ST20-D360

• For Doors up to 94-1/2" (2400 mm) tall weighing up to 44 lbs (15 kg).



Part #	Description			Door Height	Door Weight
	Size	Type	# of Slides		
ALT-ST15-D360S-16	16"	S	2	19-11/16"~27-9/16" (500-700 mm)	Max. 19.8 lbs. (9 kg)
ALT-ST15-D360S-19	19"				
ALT-ST15-D360S-22	22"				
ALT-ST15-D360S-24	24"				
ALT-ST15-D360S-28	28"				
ALT-ST15-D360M-16	16"	M	2	27-9/16"~ 35-7/16" (700-900 mm)	Max. 19.8 lbs. (9 kg)
ALT-ST15-D360M-19	19"				
ALT-ST15-D360M-22	22"				
ALT-ST15-D360M-24	24"				
ALT-ST15-D360M-28	28"				
ALT-ST15-D360L-16	16"	L	4	35-7/16"~ 47-1/4" (900-1200 mm)	Max. 33 lbs. (15 kg)
ALT-ST15-D360L-19	19"				
ALT-ST15-D360L-22	22"				
ALT-ST15-D360L-24	24"				
ALT-ST15-D360L-28	28"				
ALT-ST15-D360LL-16	16"	LL	4	47-1/4"~ 63" (1200-1600 mm)	Max. 33 lbs. (15 kg)
ALT-ST15-D360LL-19	19"				
ALT-ST15-D360LL-22	22"				
ALT-ST15-D360LL-24	24"				
ALT-ST15-D360LL-28	28"				

Part #	Description			Door Height	Door Weight
	Size	Type	# of Slides		
ALT-ST20-D360S-16	16"	S	2	31-1/2" ~ 47-1/4" (800-1200 mm)	Max. 19.8 lbs. (9 kg)
ALT-ST20-D360S-19	19"				
ALT-ST20-D360S-22	22"				
ALT-ST20-D360S-24	24"				
ALT-ST20-D360S-28	28"				
ALT-ST20-D360M-16	16"	M	3	47-1/4" ~ 63" (1200-1600 mm)	Max. 33 lbs. (15 kg)
ALT-ST20-D360M-19	19"				
ALT-ST20-D360M-22	22"				
ALT-ST20-D360M-24	24"				
ALT-ST20-D360M-28	28"				
ALT-ST20-D360L-16	16"	L	4	63" ~ 78-3/4" (1600-2000 mm)	Max. 44 lbs. (20 kg)
ALT-ST20-D360L-19	19"				
ALT-ST20-D360L-22	22"				
ALT-ST20-D360L-24	24"				
ALT-ST20-D360L-28	28"				
ALT-ST20-D360LL-16	16"	LL	4	78-3/4" ~ 94-1/2" (2000-2400 mm)	Max. 44 lbs. (20 kg)
ALT-ST20-D360LL-19	19"				
ALT-ST20-D360LL-22	22"				
ALT-ST20-D360LL-24	24"				
ALT-ST20-D360LL-28	28"				

OVERLAY Pocket Door System Slides For 1 Door

- Material: Chromate Steel / Silver Anodized Aluminum Alloy
- Finish: Silver Anodized / Chromate
- Available slide lengths: 16", 19", 22", 24" and 28"
- Durability: successfully passed 40,000 open/close private cycles.
- Door Width: Maximum 24" (610 mm)
- Door Thickness: 11/16"~ 13/16" (18 - 20 mm)
- Pocket Door System (Overlay / Soft-Close) with door alignment adjustability.
- Overlay amount up to 3/8" (10mm).
- The sliding system allows doors to retract inside cabinets. Doors will not occupy space, providing full access to inside of cabinets.

ALT-ST15-D10

• OVERLAY/ Door Height: 19-11/16" - 63"



Part #	Description			Door Height	Door Weight
	Size	Type	# of Slides		
ALT-ST15-D10S-16	16"	S	2	19-11/16"~27-9/16" (500-700 mm)	Max. 19.8 lbs. (9 kg)
ALT-ST15-D10S-19	19"				
ALT-ST15-D10S-22	22"				
ALT-ST15-D10S-24	24"				
ALT-ST15-D10S-28	28"				
ALT-ST15-D10M-16	16"	M	2	27-9/16"~ 35-7/16" (700-900 mm)	Max. 19.8 lbs. (9 kg)
ALT-ST15-D10M-19	19"				
ALT-ST15-D10M-22	22"				
ALT-ST15-D10M-24	24"				
ALT-ST15-D10M-28	28"				
ALT-ST15-D10L-16	16"	L	4	35-7/16"~ 47-1/4" (900-1200 mm)	Max. 33 lbs. (15 kg)
ALT-ST15-D10L-19	19"				
ALT-ST15-D10L-22	22"				
ALT-ST15-D10L-24	24"				
ALT-ST15-D10L-28	28"				
ALT-ST15-D10LL-16	16"	LL	4	47-1/4"~ 63" (1200-1600 mm)	Max. 33 lbs. (15 kg)
ALT-ST15-D10LL-19	19"				
ALT-ST15-D10LL-22	22"				
ALT-ST15-D10LL-24	24"				
ALT-ST15-D10LL-28	28"				

ALT-ST20-D10

• OVERLAY/ Door Height: 31-1/2" - 94-1/2"

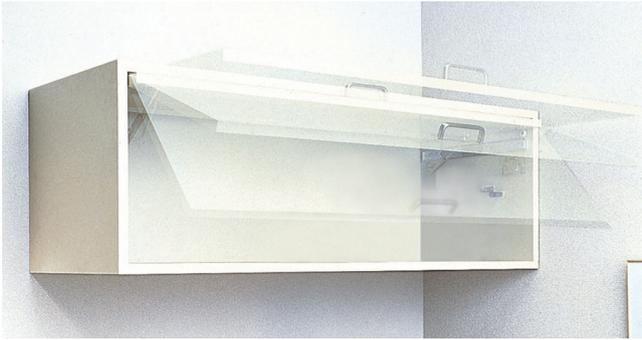


Part #	Description			Door Height	Door Weight
	Size	Type	# of Slides		
ALT-ST20-D10S-16	16"	S	2	31-1/2" ~ 47-1/4" (800-1200 mm)	Max. 19.8 lbs. (9 kg)
ALT-ST20-D10S-19	19"				
ALT-ST20-D10S-22	22"				
ALT-ST20-D10S-24	24"				
ALT-ST20-D10S-28	28"				
ALT-ST20-D10M-16	16"	M	3	47-1/4" ~ 63" (1200-1600 mm)	Max. 33 lbs. (15 kg)
ALT-ST20-D10M-19	19"				
ALT-ST20-D10M-22	22"				
ALT-ST20-D10M-24	24"				
ALT-ST20-D10M-28	28"				
ALT-ST20-D10L-16	16"	L	4	63" ~ 78-3/4" (1600-2000 mm)	Max. 44 lbs. (20 kg)
ALT-ST20-D10L-19	19"				
ALT-ST20-D10L-22	22"				
ALT-ST20-D10L-24	24"				
ALT-ST20-D10L-28	28"				
ALT-ST20-D10LL-16	16"	LL	4	78-3/4" ~ 94-1/2" (2000-2400 mm)	Max. 44 lbs. (20 kg)
ALT-ST20-D10LL-19	19"				
ALT-ST20-D10LL-22	22"				
ALT-ST20-D10LL-24	24"				
ALT-ST20-D10LL-28	28"				



IF-360 / IF-H360

Inset Receding Door System w/Soft Close



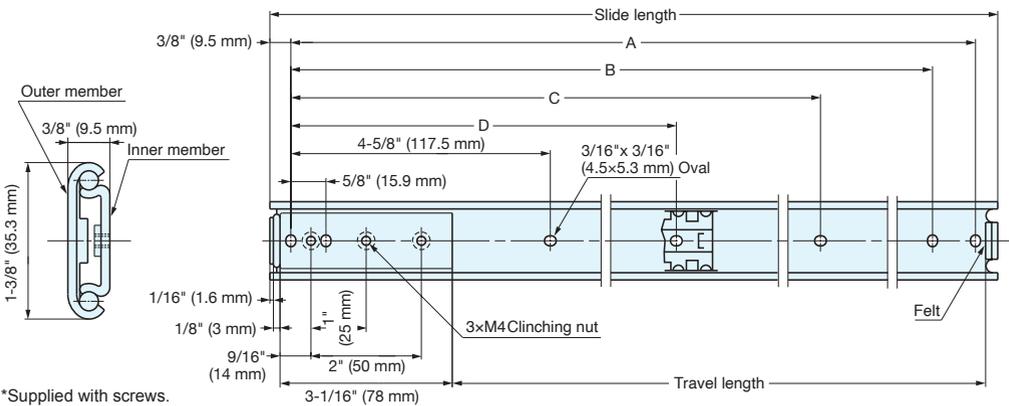
- Material: Steel / Zinc Alloy
- Finish: Nickel
- For Upward Opening Cabinet Doors
- Soft Close Feature Prevents Slamming, Adjustable Soft Closing Speed.
- Includes Either 1 or 2 NSDX Soft Down Stays Depending On Part Selected.
- NSDX Soft Down Stay Successfully Passed 30,000 Open/Close Private Cycles Test

Kit Includes:

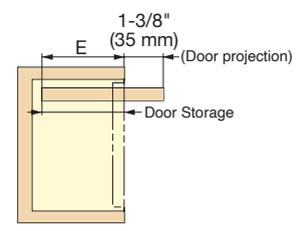


- * IF-360S / IF-H360S Types come with NSDX-35LK (1 pc. - Left)
- * IF-360W / IF-H360W come with NSDX-35LK / NSDX-35RK (2 pcs. - Left & Right)

Part #	Torque	Door Weight	Door Width Max.	# of NSDX Included	Recommended Door Height	E = Door Storage (mm) (**Shown Below)	T = Door Thickness
IF-360S-14					11-13/16" + T (300 mm + T)	10-7/16" + T (265 mm + T)	
IF-360S-16	17 - 60 lbs • in (20 - 70 kg • cm)	3.1 - 5.5 lbs. (1.4 - 2.5 kg)	23-5/8" (600 mm)	1 piece (Left Side)	13-3/4" + T (350 mm + T)	12-3/8" + T (315 mm + T)	19/32" - 13/16"
IF-360S-19					16-13/16" + T (427 mm + T)	15-7/16" + T (392 mm + T)	(15 - 20 mm)
IF-360S-24					21-13/16" + T (554 mm + T)	20-7/16" + T (519 mm + T)	
IF-360W-14					11-13/16" + T (300 mm + T)	10-7/16" + T (265 mm + T)	
IF-360W-16	34 - 121 lbs • in (40 - 140 kg • cm)	5. - 11 lbs. (2.7 - 5 kg)	47-1/4" (1200 mm)	2 pieces (Left & Right)	13-3/4" + T (350 mm + T)	12-3/8" + T (315 mm + T)	19/32" - 13/16"
IF-360W-19					16-13/16" + T (427 mm + T)	15-7/16" + T (392 mm + T)	(15 - 20 mm)
IF-360W-24					21-13/16" + T (554 mm + T)	20-7/16" + T (519 mm + T)	
IF-H360S-14					11-13/16" + T (300 mm + T)	10-7/16" + T (265 mm + T)	
IF-H360S-16	17 - 60 lbs • in (20 - 70 kg • cm)	3.1 - 5.5 lbs. (1.4 - 2.5 kg)	23-5/8" (600 mm)	1 piece (Left Side)	13-3/4" + T (350 mm + T)	12-3/8" + T (315 mm + T)	11/16" - 1-3/16"
IF-H360S-19					16-13/16" + T (427 mm + T)	15-7/16" + T (392 mm + T)	(18 - 30 mm)
IF-H360S-24					21-13/16" + T (554 mm + T)	20-7/16" + T (519 mm + T)	
IF-H360W-14					11-13/16" + T (300 mm + T)	10-7/16" + T (265 mm + T)	
IF-H360W-16	34 - 121 lbs • in (40 - 140 kg • cm)	5.9 - 11 lbs. (2.7 - 5 kg)	47-1/4" (1200 mm)	2 pieces (Left & Right)	13-3/4" + T (350 mm + T)	12-3/8" + T (315 mm + T)	11/16" - 1-3/16"
IF-H360W-19					16-13/16" + T (427 mm + T)	15-7/16" + T (392 mm + T)	(18 - 30 mm)
IF-H360W-24					21-13/16" + T (554 mm + T)	20-7/16" + T (519 mm + T)	



The recommended door height is that when the door protrudes 1-3/8" (35 mm) from cabinet with door stored as shown below.



**E = Door Storage

	Slide Length	Travel Length	A	B	C	D	Weight (g)
14" Kit	14" (355.6 mm)	10-9/16" (267.6 mm)	13-1/4" (336.6 mm)	12-5/8" (320.7 mm)	8-5/8" (219.1 mm)	-	-
16" Kit	16" (406.4 mm)	12-9/16" (318.4 mm)	15-1/4" (387.4 mm)	14-5/8" (371.5 mm)	10-5/8" (269.9 mm)	-	280
19" Kit	19" (482.6 mm)	15-9/16" (394.6 mm)	18-1/4" (463.6 mm)	17-5/8" (447.7 mm)	13-5/8" (346.1 mm)	9-1/8" (231.8 mm)	350
24" Kit	24" (609.6 mm)	20-9/16" (521.6 mm)	23-1/4" (590.6 mm)	22-5/8" (574.7 mm)	18-5/8" (473.1 mm)	11-5/8" (295.3 mm)	420



MFU12000



Material: Steel, Plastic, Aluminum • **Finish/Color:** Black



Right to Left Model Shown

- Designed to CLOSE FLUSH against surrounding walls, providing clean appearance.
- UNIQUE MOVEMENT: Recesses in, and then slides sideways.
- CLEAN APPEARANCE: No floor tracks required on MFU-System.
- Features two way damper to avoid slamming open or closed.
- DURABILITY: High durability, passed 100,000 open/close cycle test (private).
- For Door Widths 31-1/2" ~ 47-1/4" (800 - 1200mm)
- Maximum Door Height: 106-5/16" (2700mm)
- Door Thickness: 1-3/16" ~ 1-9/16" (30-40mm)
- 3-way Adjustability: Depth: ±3.5mm (1/8"), Horizontal: ±4mm (3/16"), Vertical: ±4mm (3/16")



SOFT-CLOSE

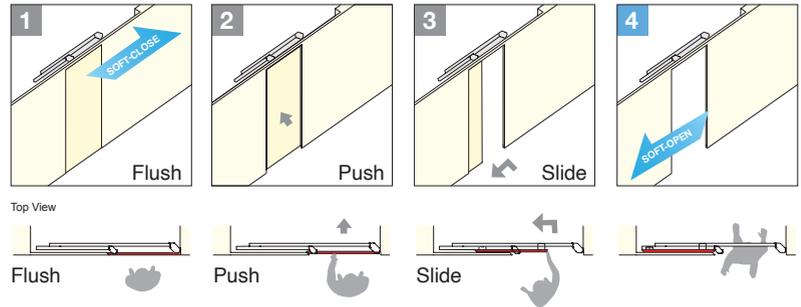
Pulls door slowly last 4"

SOFT-OPEN

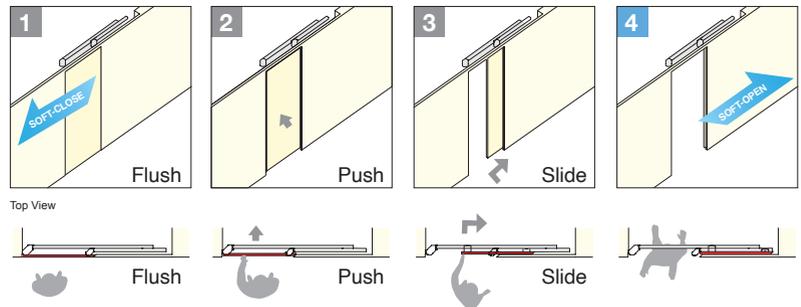
Finishes full open slowly

Note: The door cannot be opened from the inside without a handle (not included).

Right to Left Opening Model



Left to Right Opening Model



Left to Right Model Shown



Part #	Overlay	Type
MFU1200-40-L	Light Duty Left to Right Opening	44 ~ 88 lbs. (20 ~ 40 kg)
MFU1200-40-R	Light Duty Right to Left Opening	44 ~ 88 lbs. (20 ~ 40 kg)
MFU1200-70-L	Heavy Duty Left to Right Opening	88 ~ 154 lbs. (40 ~ 70 kg)
MFU1200-70-R	Heavy Duty Right to Left Opening	88 ~ 154 lbs. (40 ~ 70 kg)