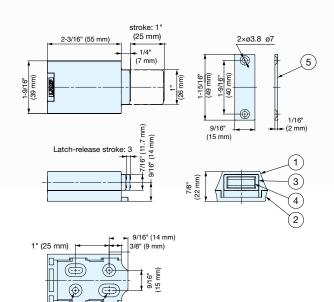
TRANSPORTATION RV & CONVERSIONS



ML-ZN80





2×4.5×10.5 Oval 9.6×15.6 Countersunk

The mighty ML-ZN80 Push-To-Open Door Latch featuring a strong 11 lbs push force, ideal for large doors up to 275 lbs,

it features a magnet that allows tolerance with 1.5° swivel. The hidden mounting screw design offers a clean appearance and easy two part installation, available in two finishes.

The only Push-To-Open Door Latch of this category, available in the market.

- For doors up to 36" x 96". Ideal for use with the HES3D-E190/W190 Concealed Door Hinge Series.
- Push force of 11 lbs. Can push up to 275 lbs door.
- Hidden Mounting Screw Design for clean appearance and easy installation.
- Passed 100,000 open/close private cycle test.

No.	Part Name	Part Name Material	
1	Body	Zina Allay	White (WT),
2	Mounting Plate	Zinc Alloy	Black (BL)
3	Latch	Plastic (PA)	
4	Magnet	Ferrite	-
5	Strike Plate	Stainless Steel	Polished

Itam Na	Magnetic Force	Duch Force	Majaht (a)	Max. I	Door Specs (Refe	erence)	Boy (200)	Corton (noo)
Item No.	Magnetic Force Push Force Weight (g)		vveigni (g)	Height	Width	Weight	Box (pcs)	Carton (pcs)
ML-ZN80WT	C C llag (O Los)	11 lbo / [lco)	100	96-1/16"	36"	275 lbs.	10	40
ML-ZN80BL	6.6 lbs (3 kg)	11 lbs (5 kg)	160	(2440 mm)	(915 mm)	(125 kg)	10	40

SEALED MAGNETIC CATCH



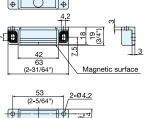






MC-JM63G

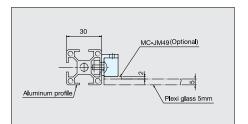






Item No.	Magnetic Force (kg)	Weight (g)	Box (pcs)	Carton (pcs)
MC-JM63G15	1.5 (3.3 lbs)	00		
MC-JM63G30	3.0 (6.6 lbs)	20	50	500
MC-JM63G50	5.0 (11 lbs)	40		

- Hermetically sealed, ideal for high corrosion environments.
- No metal-to-metal contact, ideal for cleanroom applications.
- Strong magnetic force.
- Optional counterplate sold separately:
- Stainless Steel MC-JM49, AS-68
- Plastic Sealed MC-JMP45



Part Name	Material	Finish/Color
Body	Polyacetal	Light Grey
Magnet	Neodymium	-

SEALED MAGNETIC CATCH

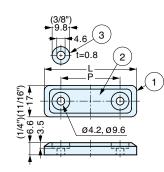












- Sealed with silicon rubber to reduce noise when door closes.
- Strong magnetic force.
- Optional counterplate sold separately
- Stainless Steel MCJM49, AS-68 - Plastic Sealed - MC-JMP45
- · Screws not included: M4 truss screw recommended.

No.	Part Name	Material	Finish/Color
1	Body	Silicone Rubber	Blue
2	Magnet	Neodymium	Nickel
3	Washer	304 Stainless Steel	Plain

Item No.	L	Р	Magnetic Force (kg)	Weight (g)	Box (pcs)	Carton (pcs)
MC-MSH45BU	45 (1-49/64")	27 (1-1/16")	2.0 (4.4 lbs)	12	100	1000
MC-MSH50BU	50 (1-31/32")	0 (1-31/32") 32 (1-17/64") 4.0 (8.8 lbs)		15	100	1000



FOLDING BRACKET

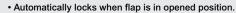






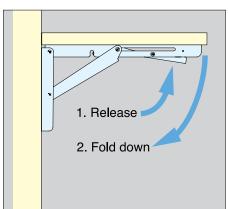






- Press lever to release the lock.
- Bracket can be used without the need for hinges.
- Available in 3 different sizes.
- Damper unit EBD available for use with all EB series brackets (sold separately).



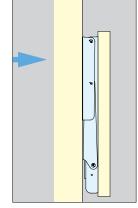


EB-200/EP

Part Name

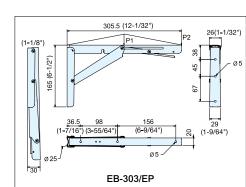
Main Body Plate Spring

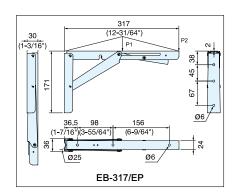
Rivet



Material

304 Stainless Steel





Item No.	Load Capacity P1 (kg)	Load Capacity P2 (kg)	Weight (g)	Carton (pcs)
EB-200/EP	175 (385 lbs)	90 (198 lbs)	330	20
EB-303/EP	150 (330 lbs)	75 (165 lbs)	515	20
EB-317/EP	200 (440 lbs)	100 (220 lbs)	750	20

FULL EXTENSION MINI SLIDE

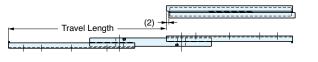


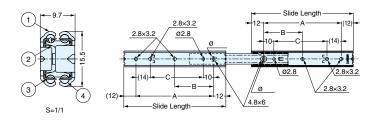






- Full extension.
- High precision design. Thin profile for various applications.







No.	Part Name	Material		
1	Outer Rail			
2	Inner Rail	304 Stainless Steel		
3	Retainer			
4	Balls	Steel		

Item No.	Slide Length	Travel Length	А	В	С	Load Rating (lbs/pair)	Weight (g/piece)	Box (pcs)	Carton
SCR3-15-80A	80 (3-1/8")	97 (3-13/16")	56	-	32	22.0	36.0		
SCR3-15-100A	100 (3-15/16")	125 (4-15/16")	76	38	52	24.2	45.0	50	200
SCR3-15-150A	150 (5-7/8")	177 (6-15/16")	126	63	102	26.4	70.0		

3/4 EXTENSION MINI SLIDE (2-WAY)

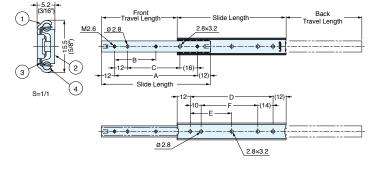






SCRW2

- Two-way travel.
- Thin profile for various applications.





No.	Part Name	Material
1	Outer Rail	
2	Inner Rail	304 Stainless Steel
3	Retainer	
4	Balls	Steel

Item No.	Slide Length	Front Travel Length	Back Travel Length	Α	В	С	D	Е	F	Load Rating (lbs)	Weight (g/piece)	Box (pcs)	Carton
SCRW2-15-80A	80 (3-1/8")	48.5 (1-7/8")	48.5 (1-7/8")	56	-	28	56	-	32	22.0	36	200	400
SCRW2-15-100A	100 (3-15/16")	68.5 (2-11/16")	68.5 (2-11/16")	76	38	48	76	38	52	24.2	45	200	400
SCRW2-15-150A	150 (5-7/8")	94.5 (3-3/4")	94.5 (3-3/4")	126	63	98	126	63	102	26.4	70	100	200



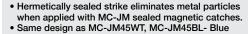


SEALED COUNTERPLATE





MC-JMP45



marking on the back side to distinguish strike plate from magnet.

Note: Only MC-JMPWT is NSF certified

				<u> </u>
Item	ı No.	Weight (g)	Box (pcs)	Carton (pcs)
MC-JMP45WT	MC-JMP45BL	8.5	100	1000

Ø4.4, Ø9.6

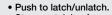
Part Name	Material	Finish/Color
Body	Polypropylene	White (WT)/Black (BL)
Plate	Steel	Plain

NON-MAGNETIC TOUCH LATCH





MC-37



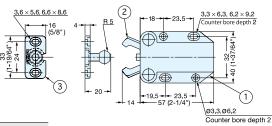
Strong retaining force.
 Floating strike allows for easy alignment.

Note: For overlay door, allow 3 mm (1/8") gap between door and cabinet frame for push

Pulling the door with excessive force without unlatching the unit may damage the

Constant loading of over 4 kgf or excessive pushing or pulling is not recommended.





Item No.	Retaining Force (kg)	Weight (g)	Box (pcs)	Carton (pcs)
MC-37/BLK-1				
MC-37/BRN-1	8 (17.6 lbs)	24	30	300
MC-37/WHT-1				

	No.	Part Name	Material	Color
	1	Body	ABS	DII- (DI IA)
Ī	2	Arm	Polyacetal	Black (BLK) Brown (BRN)
Ī	3	Strike	Polyamide	White (WHT)

PUSH KNOB LATCH

Item No.

TLP-BB/SB TLP-BB/SN

TLP-BB/PB

TLP-BB/CR TLP-LBM/

WHT

Part Name

Push Knob

and Base

Latch Body

Holding Force (kg)

20 (44 lbs)



• Knob and Latch combined:

• Holding Force: 20 kg (44 lbs)

• Order Instructions:



- Knob is stored flush when pushed in and not in use. - Knob pops out when pressed to open the door.

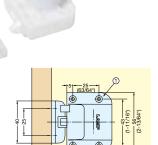
Order Latch Body (TLP-LBM/WHT) and Push Knob (TLP- BB/XX) for complete set.

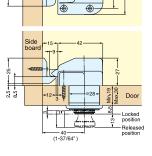
- Latch securely locks the door with deadbolt. • Door Thickness: 19 mm~30 mm (3/4"~ 1-3/16").

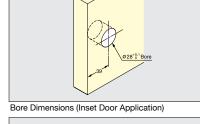
• Non-Handed: Can be installed on left or right side.

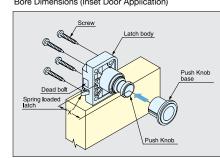
















Supplied with 2 threaded screws (L=24mm and 30mm).

	No.	Part Name	Material	Finish/Color	
				Knob	Latch
	1	Latch Body	Polyamide	Satin Brass (SB)	
	2	Push Button	Brass	Satin Nickel (SN) Polished Brass	White
	3	Push Button Base	Zinc Alloy	(PB) Chrome (CR)	





Carton (pcs)

200

100

Weight (g) Box (pcs)

25

77

33

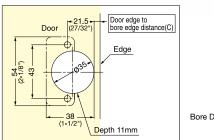
CONCEALED HINGE (19mm OVERLAY)







304B-46/19, C46/19



Bore Dimensions	

	Frame	Frame
60		17.5 + 7.5
Door (i) see see see see see see see see see se	4	
		Hinge side O.C.(A) Door edge to bore edge distance(C) Overlay distance(B)
		100° Door

1		_		
	Item No.	Туре	Weight (g)	Carton (pcs)
ĺ	304B-46/19	Free Swinging	60	000
ĺ	304B-C46/19	Self-Closing	60	200

Material	Finish
304 Stainless Steel	Polished

CONCEALED HINGE (14mm OVERLAY)



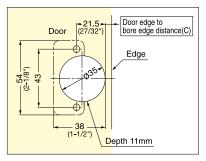




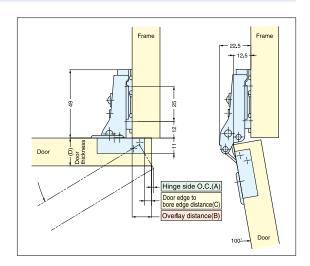


304B-46/14, C46/14





Bore Dimensions



Item No.	Туре	Weight (g)	Carton (pcs)
304B-46/14	Free Swinging	60	000
304B-C46/14	Self-Closing	60	200

Material	Finish
304 Stainless Steel	Polished

CONCEALED HINGE (9mm OVERLAY)

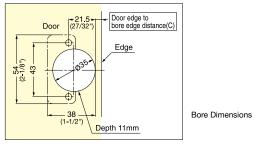


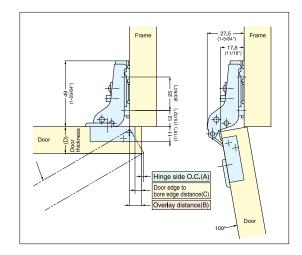




304B-46/9, C46/19







Item No.	Туре	Weight (g)	Carton (pcs)
304B-46/9	Free Swinging	60	000
304B-C46/9	Self-Closing	60	200

Material	Finish
304 Stainless Steel	Polished

MOUNTING PLATE

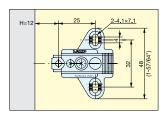






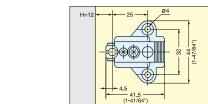
304B-P3A, P4A/32, P4A/32-3W











H=12	25 — 04
	4.5
	41.5 (1-41/64")
	, ,

Item No.	Weight (g)	Carton (pcs)	
304B-P3A			
304B-P4A/32	40	400	
304B-P4A/32-3W			

Material Finish 304 Stainless Steel



HATCH PULL









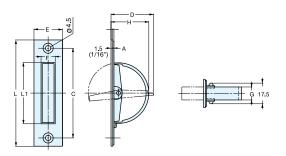
Material

304 Stainless Steel



• The handle is concealed when not in use to stay out of the way.





Item No.	L	L1	С	Н	D	Α	E	F	G
HR-90	90 (3-35/64")	52 (2-3/64")	76 (2-63/64")	32 (1-17/64")	36 (1-27/64")	1.0	24 (15/16")	10.0	44
HR-110	110 (4-21/64")	64 (2-33/64")	94 (3-45/64")	38 (1-1/2")	42 (1-21/32")	1.0	24 (15/16)	12.0	111
HR-135	135 (5-5/16")	90 (3-35/64")	115 (4-17/32")	50 (1-31/32")	55 (2-11/64")	1.2	25 (63/64")	12.2	12

Item No.	Load Capacity (kg)	Weight (g)	Box (pcs)	Carton (pcs)	Screw
HR-90	13.0 (28.0 lbs)	49	30	300	3.5 x 22
HR-110	10.0 (22.0 lbs)	59	20	200	2.5 × 05
HR-135	7.5 (16.5 lbs)	88	15	150	3.5 x 25

HATCH PULL









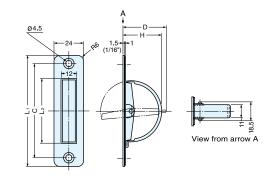


Finish

Satin

• The handle is concealed when not in use to stay out of the way.





Material	Finish
304 Stainless Steel	Satin

Item No.	L ₁	L2	С	Н	D	Load Capacity (kg)	Weight (g)	Box (pcs)	Carton (pcs)
HR-90R	90 (3-35/64")	52 (2-3/64")	76 (2-63/64")	32 (1-17/64")	36 (1-27/64")	13 (28 lbs)	46	30	300
HR-110R	110 (4-21/64")	64 (2-33/64")	94 (3-45/64")	38 (1-1/2")	42 (1-21/32")	10 (22 lbs)	55	20	200

3-WAY ADJUSTABLE CONCEALED HINGE



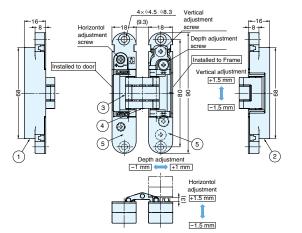
HES3D-90



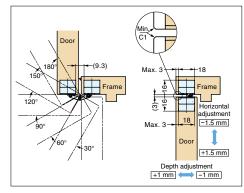
HES3D-90DC

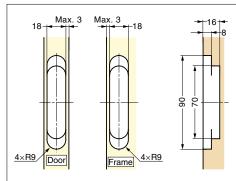
HES3D-90DN

HES3D-90BL



- 3-WAY adjustment function allows vertical, horizontal, and depth adjustment.
- Covers hide all screw heads for clean appearance.
- Hinge leaves separate for easy installation and adjustment.
- Door weight: Max. 12 kg (26 lbs)/2 pcs, 16 kg (35 lbs)/3 pcs
 Door thickness: Min. 23 mm (15/16")
- Max door size: H 1500 mm × W 600 mm (59-1/16" × 23-5/8")
- Includes steel countersunk wood screws.





Cut Out Dimensions

NI-	Deat News	Madawial	Finish/Color			
No.	Part Name	Material	DC	DN	BL	
1	Body					
2	Base Frame	Zinc Alloy	Dull Chrome	Dull Nickel	Black	
3	Arm					
4	Shaft	Stainless Steel	-	-	-	
(5)	Cover	ABS	Dull Chrome	Dull Nickel	Black	

Item No.	Finish	Min. Door Thickness	Weight (g)	Box (pcs)	Carton (pcs)
HES3D-90DC	Dull Chrome				
HES3D-90DN	Dull Nickel	23 (15/16")	198	2	48
HES3D-90BL	Black				





LIFT-ASSIST LID STAY with soft close (top opening)

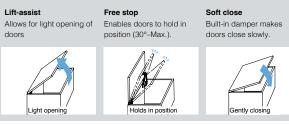


ARN-2

• Smooth door movement. It is specially designed for use with the

- OLYMPIA concealed hinge (360-D26-19). • The lift-assist function allows for light opening of doors.
- Board thickness Min:9/16" (15mm) ~ Max:7/8" (22mm)
- \bullet The free-stop function enables doors to hold in position (30°-Max.).
- The soft-close function makes doors close gently (0°-30° degrees).
- Integrated design combines a concealed hinge and lid stay.
- Closing speed of doors is adjustable.









Item No.	Torque (kg·cm)	Board Thickness (mm)	Weight (g)	Box (pcs)	Carton (pcs)
ARN-2-M-S	40.8~61.2 (35.4~53.1 lbs·in)	Min:15mm (9/16")	700		10
ARN-2-H-S	61.2~81.6 (53.1~70.8 lbs·in)	Max: 22mm (7/8")	703		10

Material	Finish/Color
Steel, Zinc Alloy	Nickel
Plastic	Grey

LIFT-ASSIST LID STAY with soft close (upward opening)



ARN-3





- Smooth door movement. It is specially designed for use with the OLYMPIA concealed hinge (360-D26-19).
- The lift-assist function allows for light opening of doors.
- Board thickness Min:9/16" (15mm) ~ Max:7/8" (22mm)
- \bullet The free-stop function enables doors to hold in position (30°–Max.).
- The soft-close function makes doors close gently (0°-30° degrees).
- Integrated design combines a concealed hinge and lid stay.
- Closing speed of doors is adjustable.

(Components for a single door					
90	/		Aileron	1		
			Mounting plate for Aileron	1		
				2		
			Mounting plate for Olympia	1		
***************************************	Armana-	-drawner-	Screws	16		
Olympia 8	Aileron 6	Aileron 2				

doors position (30°–Max.). doors close slov	Allows for light opening of doors Enables doors to hold in position (30°–Max.). Built-in damper doors close slow			
doors position (30°-Max.). doors close slov	doors position (30°–Max.). doors close slow	Lift-assist	Free stop	Soft close
Light opening Holds in position Gently of				
	Light opening Holds in position Gently of	Light opening	Holds in position	Gently cl

Item No.	Torque (kg·cm)	Board Thickness (mm)	Weight (g)	Box (pcs)	Carton (pcs)
ARN-3-M-S	40.8~61.2 (35.4~53.1 lbs·in)	Min:15mm (9/16")	703	1	10
ARN-3-H-S	61.2~81.6 (53.1~70.8 lbs·in)	Max: 22mm (7/8")			

Material	Finish/Color	
Steel, Zinc Alloy	Nickel	
Plastic	Grey	









Latch Hooks EN-R80, EN-K



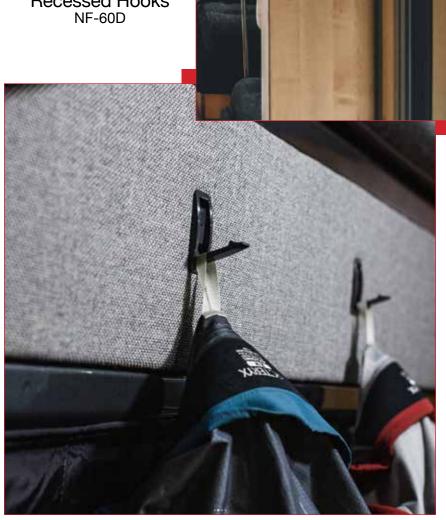
Recessed Hooks NF-60D

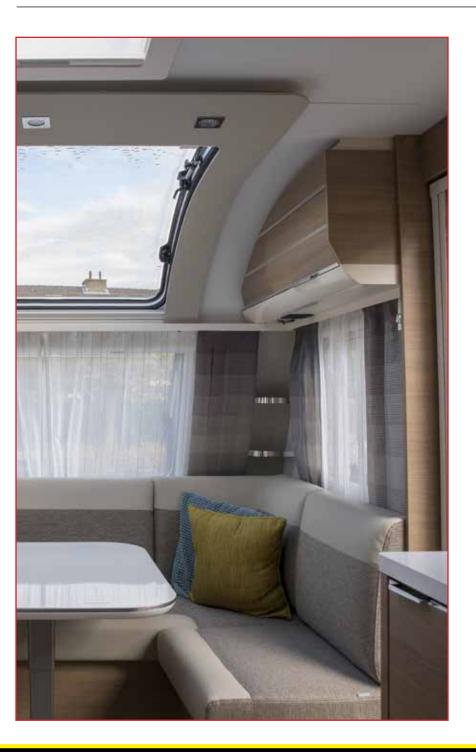


Recessed Hooks NF-47



Recessed Hooks NF-45D (Soft Close)







Fastmount® Standard Profile



Fastmount® Textile Clips



Fastmount® Metal Range Clips





Sugatsune America 18101 Savarona Way, Carson, CA 90746







sugatsune.com

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