No.500



Stylishly subtle hardware **highlights displays**





SUGATSUNE

Since 1930

Manufacturer of LAMP® brand products

Furniture & Architectural Hardware



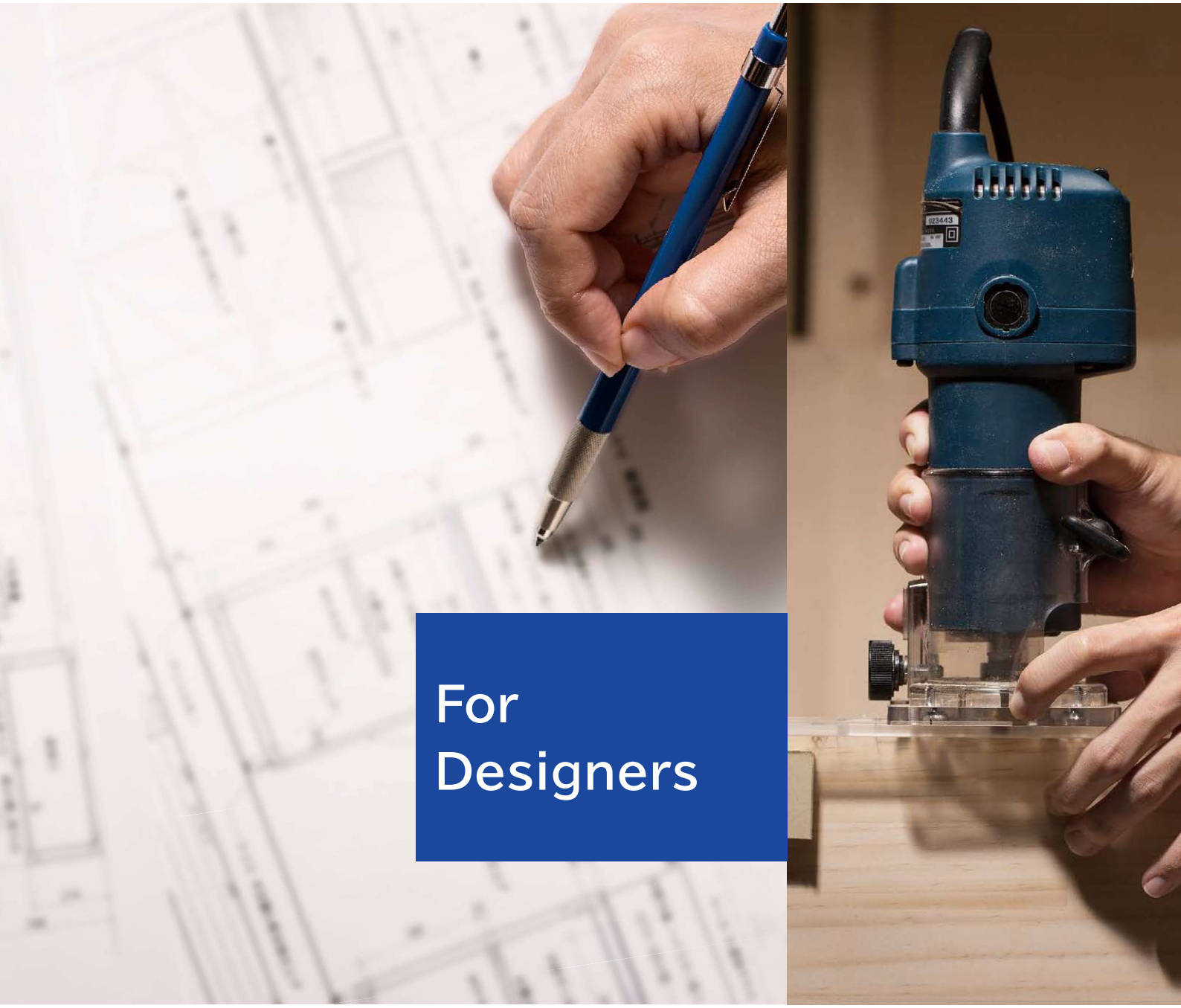
Hinges **integrated** with thin door frames





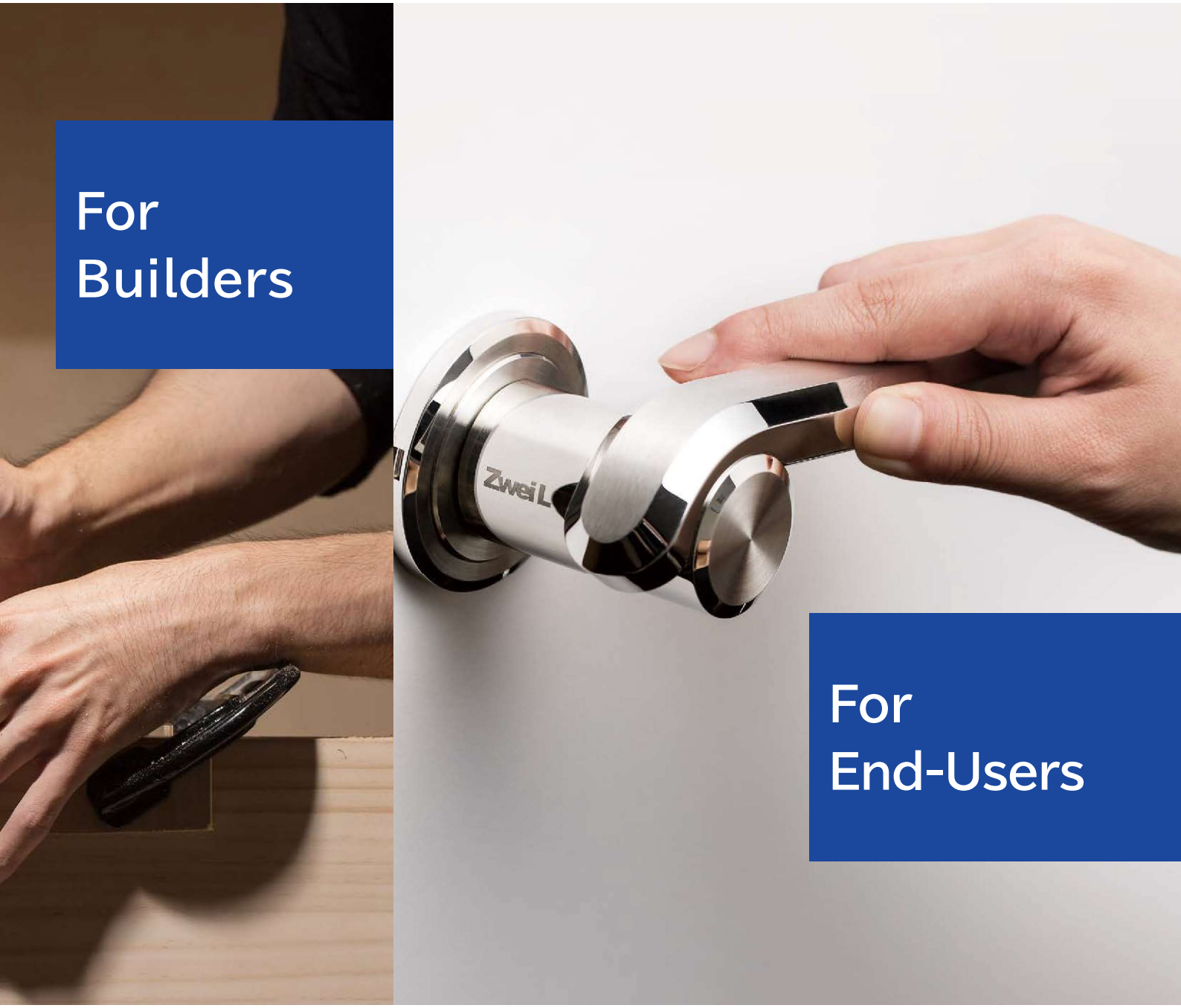
Innovation beyond expectation

Because Details Matter



For
Designers

Realising Your Vision with Diversity and Expertise



Sugatsune connects the ideas and aspirations of various people by expanding the potential of hardware and meticulously designing each product.
We meet the demands of furniture and architectural projects with unmatched functionality, quality, and service. Sugatsune' s unwavering dedication remains steadfast now and in the future.

LAMP®

High-Quality Products, Expertly Designed in Japan

September 2024

Enriching the meaning of “Manufacturing”

Product Development

The creativity and ability to create new products



Sugatsune recognises originality as a key component to creating products that are long time favourites in the market and that can also drive sales. With enhancing originality comes increasing difficulty to conceptualise and make original products. But by challenging these hurdles, a new and tailored market can be conceived.

Core Technology

A legacy of expertise



Sugatsune’s Motion Design Tec delivers specialised movements solutions such as “free stop motion,” “soft motion,” and “assist motion” for a better user experience. Cultivated over the decades, Sugatsune can provide highly original, reliable, and quality products with Motion Design Tec technologies worldwide.

Expanding Globally with Partners in Over 80 Countries

Please enquire about custom-made products!

- Finish change
- Dimension change
- Processing
- Function addition
- Specification change
- Development

Our Factory

Sugatsune has it's own exclusive factory and within its facilities is a development research centre specializing in motion design. It is here that Sugatsune's new and unique technologies emerge.



Design

Commitment to Functional Design



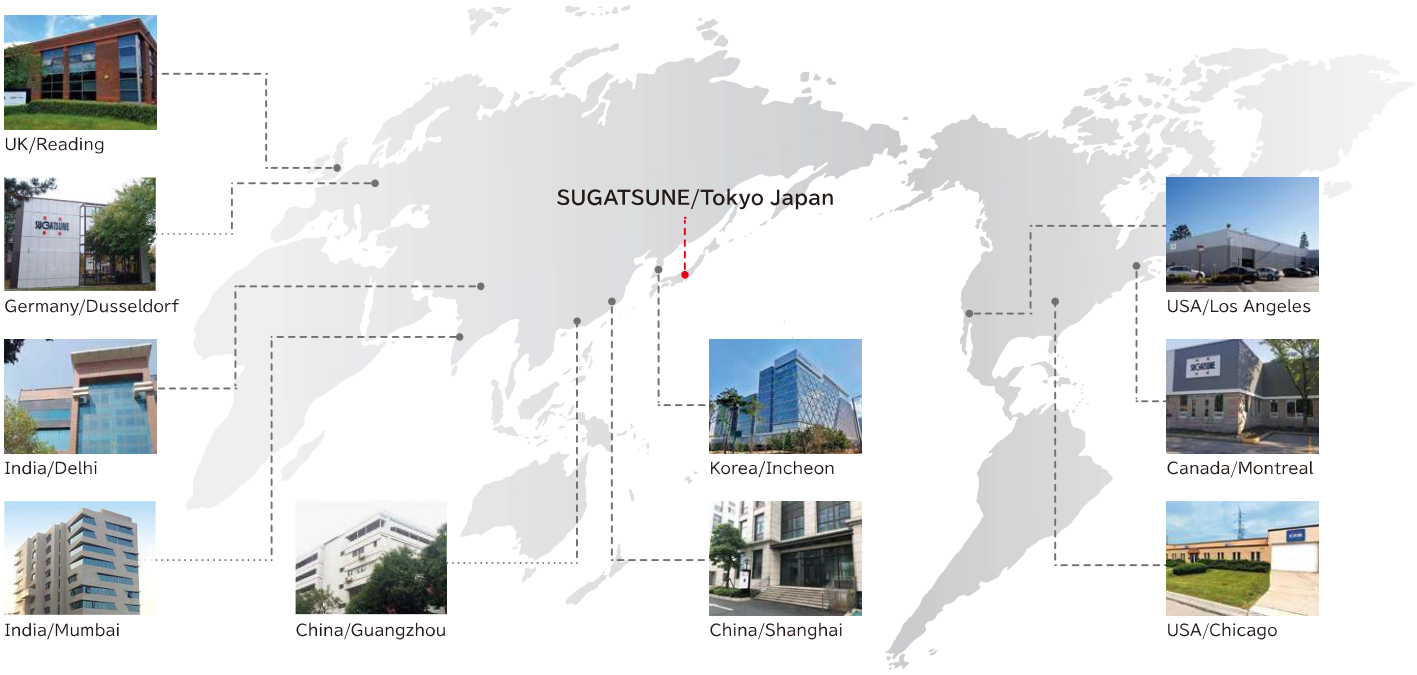
Design is no longer just about shape and colour. To deepen the meaning of "design," practicality and functionality have become integral elements in the Sugatsune manufacturing development process. Without ignoring the traditional design approach, resulting products undoubtedly possess a distinct visually appealing quality.

Product Variety

A product lineup to meet all needs



With over 30,000 products in its lineup, Sugatsune can quickly and accurately meet the needs of its customers. Moreover, support for specialised custom made items is also available.





Zwei Lichter

[Two Lights]

High precision polish, artfully sculpted shine

Flawless, distortion free lines. Stainless steel surfaces polished to the smoothness of a mirror juxtaposed seamlessly against a soft metallic satin finish creating a stately radiance.

Zwei L®



Exquisite Distortion-free Straight Lines

Beauty, lives in the finer details.

“The pursuit of the essential and the ideal” is Sugatsune Kogyo’s vow, given form in Zwei L.

With its dual gleams of light, premium interiors are enhanced with a lustrous glow.

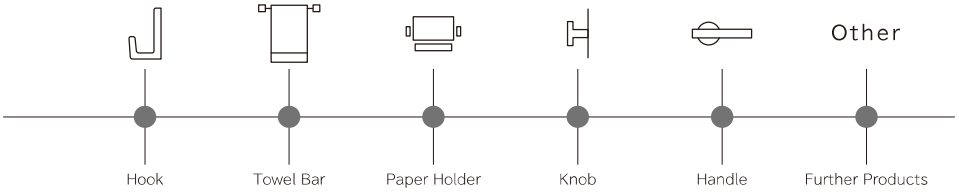








LINE UP





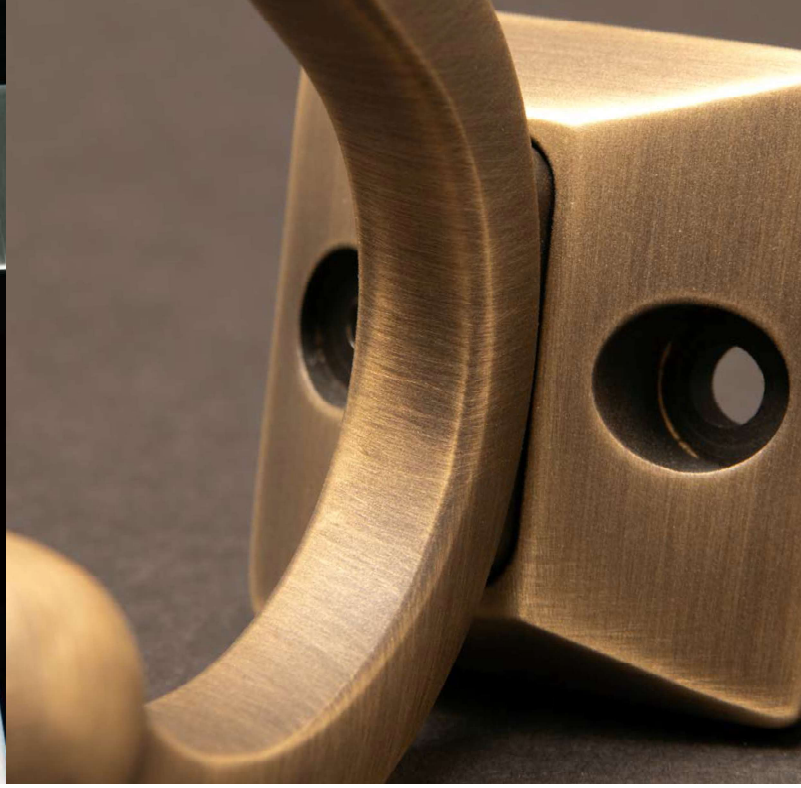
LAMP®

An original brand of Sugatsune quality

LAMP brand represents our answers to numerous manufacturing challenges and Sugatsune's commitment to quality and function is evident in the design, construction, material selection, finishing, and quality control of our products.







Confidence in our quality

Due to our “manufacturing by pursuing the ideal” strategy, which includes stringent quality control, a reliable testing system, and a dedication to exquisite finishes, you can use LAMP products with confidence for a long time. This ensures a consistent supply of goods of high calibre.

Specialised mechanisms

The components of LAMP are symbolised by their unique mechanisms, which are the outcome of our creative vision. By choosing the best mechanism for the project during the design phase, we maximise the potential of the components and produce a product of a quality that our clients can rely on.

The art of attention to detail

Design is an integral part of our hardware. With this in mind, we make no compromises with materials and finishes. Sugatsune’s dedication is demonstrated by the stunning finishes and exquisite craftsmanship of our products, which are like works of art.





MonoFlat UNISON MFU1200 Flush Sliding Door System





The MFU1200 Flush Sliding Door System by Sugatsune offers a sleek and integrated design, effortlessly blending with your wall for a concealed appearance. This system supports a maximum door mass of 70 kg and features a two-way damper, ensuring doors open and close smoothly and quietly, enhancing your space's luxurious feel.
Installation is straightforward with a minimal number of parts and no need for floor rail or groove processing. The door pushes open, eliminating the need for a handle on the front side, creating a perfectly flat surface when closed.

Seamlessly Blends with Any Interiors







No lower rail or grooving is required on the floor.

MonoFlat UNISON

Concealed Hinge The HES Series



The HES series offers superb hinges that are virtually invisible from the outside.
It discreetly enhances the beauty of doors without obstructing original designs.
Various interior styles look better with the HES hinges.
For example, the HES1F seamlessly integrates into door frames
and it enhances the overall aesthetic of interior spaces.

Enhance the Interior Space You Design







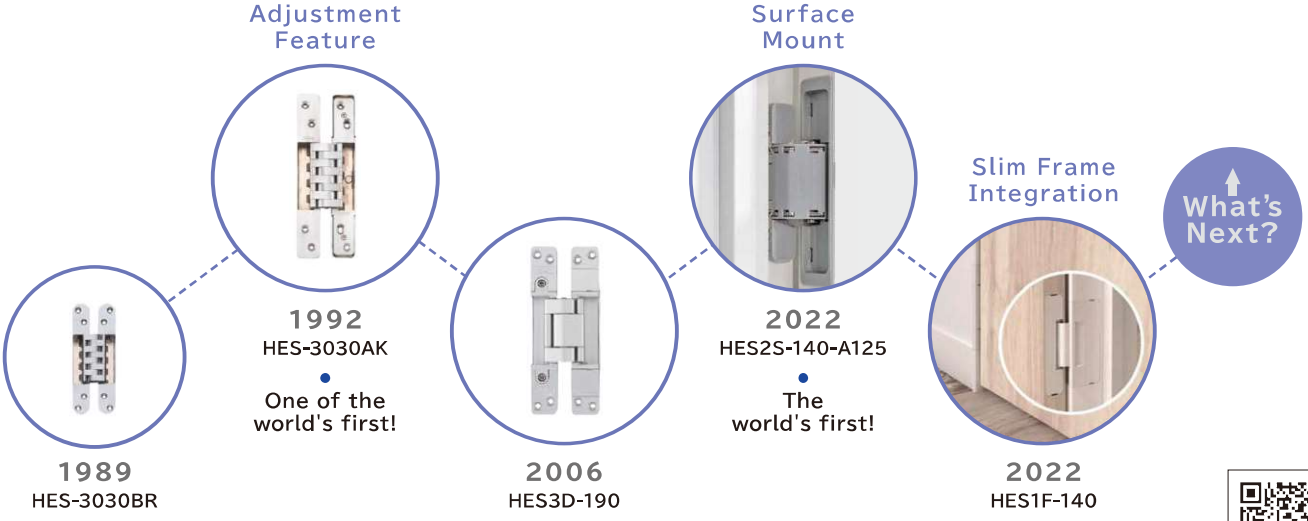
HES1F



HES2S



HES3D



HES Series Milestones at a Glance

MonoFlat LIN-X Hinge For Heavy Doors



When closed, the LIN-X Series doors seamlessly align with the wall, creating a clean and sophisticated space. This system can accommodate large doors with a width of up to 1100 mm and a weight of 90 kg. With a wide opening of 930 mm, it also allows for easy wheelchair access.

Elegant Flush Design for Compact & Functional Spaces

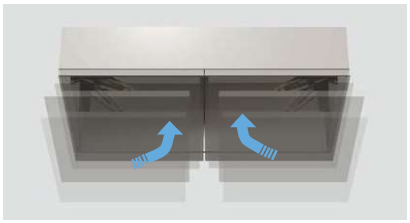
LAMP

Simple & High Quality-Design













MonoFlat LIN-X hinge

GS-G Series Glass Showcase Hardware




Silver


Gold


Black

Crafted with sleek, modern lines, this showcase hardware enhances your exhibited pieces without stealing the spotlight.



Premium Stainless Steel Solutions for Modern and Durable Design

Stainless steel products are favoured for all applications due to their modern finish, durability, and non-corrosive quality. This material is also known for being low-maintenance, making it easy to care for while offering great aesthetic appeal. Sugatsune offers a wide range of stainless steel products, from simple decorative hardware to complex functional hardware. Choose Sugatsune's quality stainless steel for a long-lasting, simple, and modern design.



SUGATSUNE HELP HUB

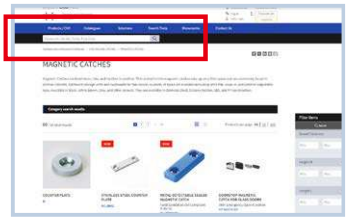
Build Better with Sugatsune!

Explore Our Comprehensive Support Resources

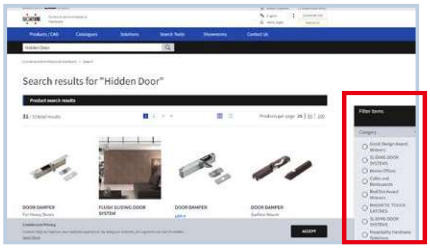


Keyword Search & Product Filters

Search for products by keyword and utilize our product filters. Access comprehensive information including our online catalogue, CAD data and instruction manuals!



Find relevant products with fuzzy search strings like "Hidden Door"!

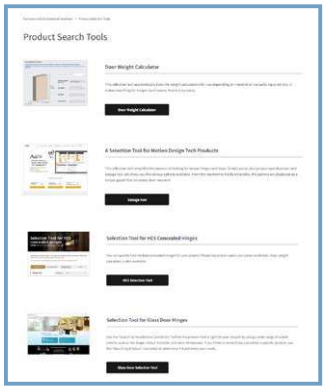


Filter by size, colour, or material as well!

Product Search Tools

The product search tools allow you to choose products tailored to your installation conditions, such as damper stays, damper hinges, torque hinges, torque stays, and more. With moment calculation and operation force simulation, you can easily identify the products that best meet your product requirements.

- Selection Tool for Motion Design Tech Products (Damper stays and hinges, Free stop hinges, etc.)
- Selection Tool for HES Concealed Hinges
- Selection Tool for Glass Door Hinges
- Selection Tool for Pocket Door System



Customer Solutions Case Studies

Our case studies introduce our products and demonstrate how they have been used to solve customer project issues.



Hardware Basics

Discover the basics of our products here. Learn about hinge and stay mechanisms, as well as the differences between various product types.



Official Sugatsune Global Channel

/@SugatsuneGlobal

Videos explain product characteristics and installation methods. Watching the product in action promotes deeper understanding.





C

CATCHES & LATCHES

LATCHES

These components retain doors, etc. in the closed position. Latches hook on the strike plate and must be released by pushing, pulling, pinching, etc.

CATCHES

These components hold doors and similar items in a closed position without using a latch, primarily released by pulling.

The magnetic catch lineup is especially broad, with a variety of specifications available including size, magnetic force, ease of installation, and heat resistance.

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Selection Guide for Latches and Catches

Product Types

Latches



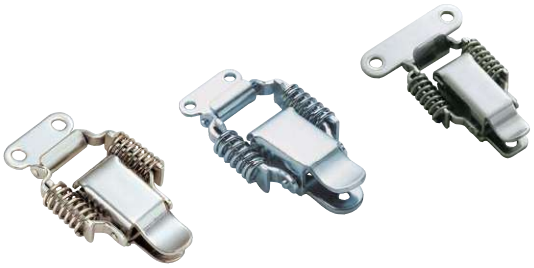
Touch Latches P.334 - 346



Push Knob Latches P.382 - 394



Lever Latches P.395 - 396

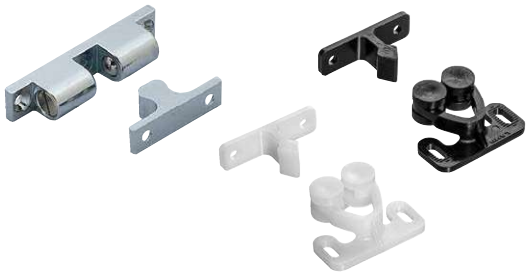


Draw Latches P.397 - 404

Catches



Magnetic Catches P.347 - 374



Knuckle / Tension Catches P.375 - 381

Slide / Barrel Bolts



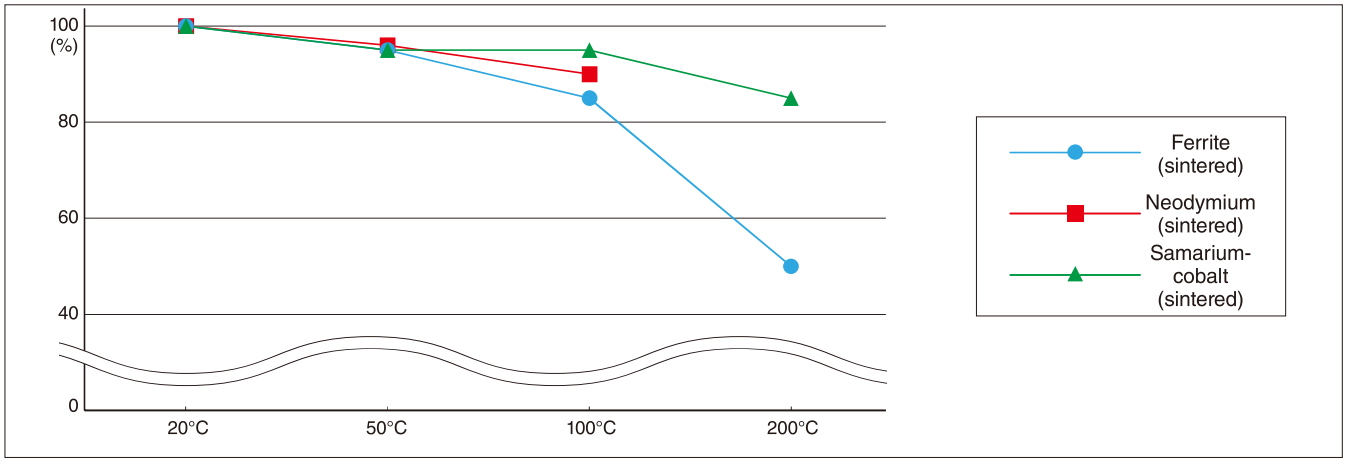
P.405 - 424

Understanding Magnets for Catches & Latches

Types and Properties of Magnets

Magnet	Features	Magnet Strength (image)	Demagnetization Recovery Temperature	Heat Resistance	Corrosion Resistance (No Plating)	Mechanical Strength (Brittleness)
Ferrite (sintered)	▫Rust-resistant magnet made mainly from iron oxide ▫Prone to breaking and chipping		Approx. 200°C	OK	OK	NO
Neodymium (sintered)	▫Strongest magnetic force in the world ▫Cheaper than other rare earth magnets ▫Breakage-resistant ▫Vulnerable to heat ▫Prone to rusting, requiring plating (nickel plating normally in use)		Approx. 80°C	Possible	NO	OK
Samarium-cobalt (sintered)	▫Low thermal demagnetization even in high-temperature environments (approx. 250°C), with high magnetic force ▫Rust-resistant ▫Prone to breaking and chipping ▫Expensive due to the use of rare earths		Approx. 300°C	Good	Good	Possible

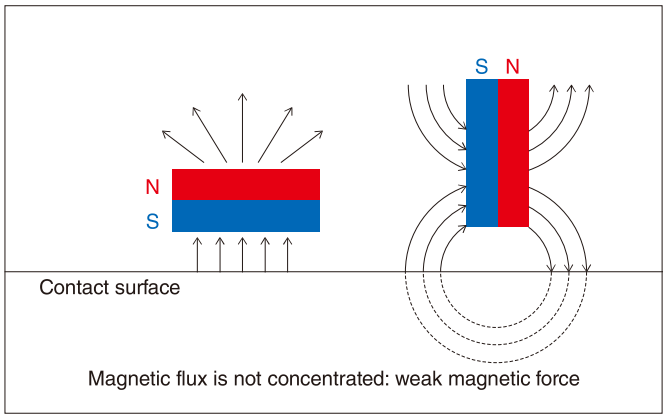
[Magnets' Thermal Demagnetization Properties]



Role of the Yoke

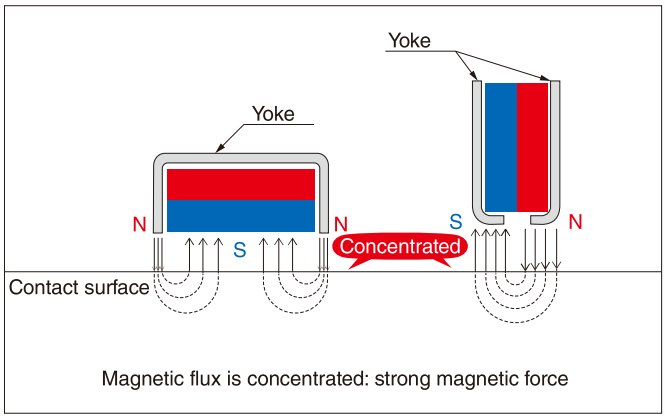
▫Through use in combination with iron rather than on their own, magnets form magnetic circuits, increasing their magnetic force and notably improving their performance. This iron is called the yoke.

Magnet used alone



Magnetic flux is not concentrated: weak magnetic force

Used with yoke

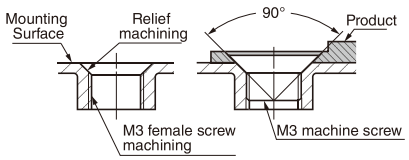


Magnetic flux is concentrated: strong magnetic force

Magnetic Catches / Magnetic Latches: Precautions for Use

▫Magnetic force varies. Confirm with the actual product.
▫For some strike plates in countersunk specifications, add screw and rivet relief as shown in the figure at right.

[Machining and Mounting Examples] With M3 screws



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DRAW LATCHES
SLIDE/ BARREL BOLTS

Select Latches by Retaining Force

Push Latches (with knobs)

Retaining Force	Image	Model Name	Page
20 kgf		TLP	P.388
		TLP-S	P.389
		AK-60	P.394
16 kgf		SL-B211 SL-B251	P.392
		SL-G25 SL-GB25	P.393
10 kgf		ZL-2901	P.384
		DPL-RO	P.385
		DPL-OV	
		DPL-SQ	
		PKL-08	P.386
		PKL05	P.387
		PKL07	

Touch Latches

Retaining Force	Image	Stroke	Model Name	Page
12 kgf		40	MLC-HT130BL	P.335
9.2 kgf		23	MLC-100DS-WT NEW	P.336
			MLC-100	P.337
8 kgf		–	MC-37F	P.334
4 kgf		10.5	MC-20	P.335
3.5 kgf		5	ESN-195 / BLK	P.338
3 kgf		–	MC-28	P.334
1.3 kgf		–	PM-4N HB	P.345
1.2 kgf		4.8	PR4PK-B	P.338
–		7.5	PR-21P	P.339
			PR-20P	P.339
		4.6	NS2	P.337

Lever Latches

Retaining Force	Image	Model Name	Page
20 kgf		LL-66	P.395
		LL-66S	P.395
15 kgf		LJ-61	P.396

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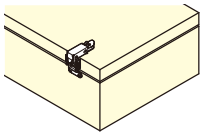
Select Latches by Magnetic Force

Magnetic Latches

Magnetic Force	Image	Stroke	Model Name	Page
3 kgf		25	ML-ZN80 NEW	P.343
2.4 kgf		40	ML-120	P.342
1.6 kgf		15	ML-80	P.341
1.2 kgf		8.5	ML-30S	P.340
			ML-30W	
1.1 kgf		16	MC-U60	P.345
			MC-S60	P.344
0.5 kgf		10.5	MC-25	

Function Details

•Adjustable: Compression Force (STF-CP140)
Arm Length (SCC-TF30).
•Safety Lock: Can be used with a padlock.
•Padlock: To prevent accidental unlocking, the safety lock is opened by pressing a lever or similar mechanism.



Select Latches by Load Capacity

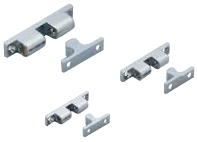
Draw Latches

Load Capacity	Image	Product Name	Functions			Page
			Adjustable	Safety Lock	Padlock	
80 kgf		STF100	–	●	–	P.397
		STF82L	–	●	–	P.398
		STF80	–	–	–	
70 kgf		PN-51	–	–	–	P.404
61 kgf		STF-CP140	●	●	●	P.399
		SCC-60	–	–	–	P.400
51 kgf		SCC-TF30	●	–	–	P.402
34 kgf		STF-C64A/ STF-C64B	–	●	●	P.403
		SCCA-60	–	–	–	P.400
31 kgf		STF40	–	–	–	
25 kgf		SCC-40	–	–	–	P.401
20 kgf		SCCA-40	–	–	–	
		SCC-30	–	–	–	
10 kgf		SCC-25	–	–	–	P.402
–		STF-A56AH/ STF-A56AC	–	–	–	P.404

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Select Other Furniture Catches by Tensile Force

Ball Catches

Pulling Force	Image	Model Name	Page
8.4 - 0.8 kgf		BCTS-85J	P.375
3.9 kgf		BCU	P.376
		BCTS	
3.5/ 3.3/ 3kgf		BCT	P.375
2.4 kgf		BCU	P.376
1.8/ 1.3 kgf		BCTS	

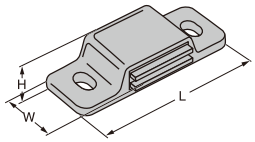
Resin Catches

Pulling Force	Image	Model Name	Page
7 kgf		NAC	P.379
3.3 kgf		RCU	P.377
3 kgf		RC6901	
2.7 kgf		JCU-F	P.379
2.6 kgf		RC6901BL	P.377
2.3 kgf		JC-24	P.378
2.1 kgf		JC-24B	
2 kgf		JC-T50	
1.7 kgf		JCU	P.379
1.6 kgf		RC6900	P.377
1.3 kgf		JC-26	P.378

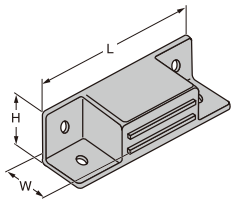
Select Magnetic Catches by Magnetic Force / Mounting Direction

Vertical Mounting

[Vertical Surface Mounting]

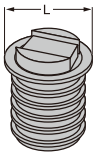


[2-way Mounting]



Magnetic Force kgf		Item Name	External Dimensions L	W	H	Specifications	Material	Page
8 kgf	8	MC-110NF	45	10	11	–	Plastic	P.357
	5.6	MC-SPL	106	20.5	16	Rustproof		P.363
	5.2	MC0099GP	45	14.5	11.5	–		P.356
5 kgf	5	MC-JM63G-50	63	19	14	Rustproof		
	4.8	MC-SPM	86	17	13			P.363
	4.5	MC-YC-06	34	13.5	8	–	Zinc Alloy	P.357
	4	MS6	36.5	24	19		Plastic	P.363
	3.8	MC0099S	45	14.5	11.5			P.356
	3.5	MC0097-1	41	18.5	10			P.359
3 kgf	3	MC-YS001	34	13.5	6			P.358
		MC84	46	25	14.2			P.361
		MC-JM50	50	21	13	Rustproof		P.362
		MC-JMS45WT	45	27	19		Stainless Steel	
		MC-JM63G-30	63	19	14		Plastic	P.356
		MC-YSW02	41	14.6	14.6	One-touch mounting		P.368
	2.8	MC-KL	60	18	16	–		P.361
	2.5	MC-125	26.5	30.1	16.5			P.364
	2.4	MC-EL	60	17.5	18			P.360
		MC-KM-S	50.5	17	12			P.361
		MS4	33	23	16.5			P.363
2 kgf	2	MC-SM10	39	11.5	11		Aluminium Alloy	P.359
		MC-EM-S	50	16	13		Plastic	P.360
		MC-EA	60	18	18			
	1.5	XL-GC09-CR	32.5	29	13.5		Zinc Alloy	P.347
		MC0097	41	18.5	10		Plastic	P.359
		MC-S88	46	21	15		Aluminium Alloy	
		MC-JM63G-15	63	19	14	Rustproof	Plastic	P.356
	1.2	MC-YS002	34	13.5	6	–		P.358
	1.1	MC0099	45	14.5	11.5			P.356
1 kgf	0.8	MC-S78	38	18	11		Aluminium Alloy	P.358
	0.55	NMS-4-200	200	12.7	1.5	Rubber Type	Rubber	P.371
		NMS-5-200		19.1				
		NMS-6-200		25.4				
	0.39	NMS-1-200		12.7	0.8			
		NMS-2-200		19.1				
		NMS-3-200		25.4				

Round Recessed



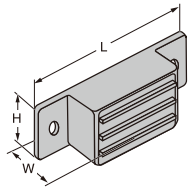
Magnetic Force kgf		Item Name	External Dimensions L	W	H	Specifications	Material	Page
2.5kgf	2.5	MC-IS4	14	–	–	–	Plastic	P.368
		MC-IS4F						
1kgf	1	MC-IS2	10					

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DRAW LATCHES
SLIDE/ BARREL BOLTS

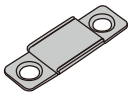
Select Magnetic Catches by Magnetic Force / Mounting Direction

Parallel Mounting

[Parallel Surface Mounting]

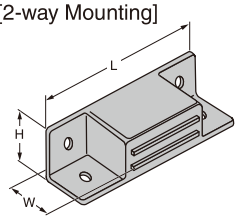


Ultra-thin type is available (W is approx. 2-3.2 mm).



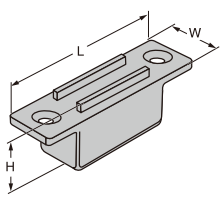
Marked with “Ultra-thin” in table at right

[2-way Mounting]



Magnetic Force kgf		Item Name	External Dimensions L	W	H	Specifications	Material	Page
10 kgf	14.3	MC0083HP-140	50	14.1	17	Heat-resistant / Rustproof	Stainless Steel	P.366
	14	MC0083-N				–		P.367
	10	MC0083D	80	13			Brass	
	8	MC-159-8	41	3	16.5	Ultra-thin	Steel	P.352
		MC-110NF	45	10	11	–	Plastic	P.357
	7.5	MC-YN005-N	39	7			Stainless Steel	P.365
	7.1	MC0083HP-70	50	14.1	17	Heat-resistant / Rustproof		P.366
	7	MC0083		13		–	Brass	
	5.2	MC0099GP	45	14.5	11.5		Plastic	P.356
5 kgf	5.1	MC-YN005HP-50	39	7	11	Heat-resistant / Rustproof	Stainless Steel (SUS430)	P.365
	5	MC-159-SUS	41	2.8	16.5	Ultra-thin / Rustproof		P.352
		MC-JM63G-50	63	19	14	Rustproof	Plastic	P.356
	4.5	MC-YC-06	34	13.5	8	–	Zinc Alloy	P.357
	4	MC-MS50	50	6.6	17	Rustproof	Silicone Rubber	P.353
		MC-159	41	2.6	16.5	Ultra-thin	Steel	P.351
		MC-MSH50BU	50	6.6	17	–	Stainless Steel (SUS304)	P.355
	3.8	MC0099S	45	14.5	11.5		Plastic	P.356
	3.1	MC-421-30	42	2.4	10.2	Ultra-thin	Steel	P.350
3 kgf	3	MC-JM45	45	5.6	17	Rustproof	Plastic	P.354
		MC-YN005	39	7	11		Stainless Steel	P.365
		MC-JM63G-30	63	19	14		Plastic	P.356
	2.8	MC-YN016HP-27	35	2.8	12	Heat-resistant / Rustproof	Stainless Steel	P.349
		MC-YN016HPP-27						
	2.7	MC-YN001	35	2.2	12	Ultra-thin	Steel	P.348
	2.4	MC-421SUS-24	42	2.7	10	Ultra-thin / Rustproof	Stainless Steel	P.350
	2.3	MC-YN015S	35	2.2	12			P.348
2 kgf	2	MC-MS45	45	6.6	17	Rustproof	Silicone Rubber	P.353
		MC-YN005HP-20	39	7	11	Heat-resistant / Rustproof	Stainless Steel (SUS430)	P.365
		MC-MSH45BU	45	6.6	17	–	Stainless Steel (SUS304)	P.355
	1.7	MC-YN003	36	4.5	9		Steel	P.364
	1.5	MC-YN016HP-15	35	2.8	12	Heat-resistant / Rustproof	Stainless Steel	P.349
		MC-YN016HPP-15						
		MC-158	41	2.6	16.5	Ultra-thin	Steel	P.351
		MC-JM38	38	3.2		Ultra-thin / Rustproof	Plastic	P.354
		MC-JM63G-15	63	19	14	Rustproof		P.356
	1.1	MC0099	45	14.5	11.5	–		
		MC-421-11	42	2.4	10.2	Ultra-thin	Steel	P.350
	0.9	MC-421SUS-9		2.7	10	Ultra-thin / Rustproof	Stainless Steel	
1 kgf	0.55	NMS-4-200	200	12.7	1.5	Rubber Type	Rubber	P.371
		NMS-5-200		19.1				
		NMS-6-200		25.4				
	0.39	NMS-1-200		12.7	0.8			
		NMS-2-200		19.1				
		NMS-3-200		25.4				

Parallel Recessed



Magnetic Force kgf		Item Name	External Dimensions L	W	H	Specifications	Material	Page
7 kgf	7	MC-FS-4SW	45	6.7	10.7	One-touch mounting	Plastic	P.369
	6	MC-FS17W	64	10	14			P.370
5 kgf	4.5	MC-FP5S	40		13.5			
		MC-FS10	64		14			
	3.5	MC-FS-2SW	26.5	6.7	10.7			P.369
	3	MC-SS30	29	17	24		ABS Resin	P.372
	2.6	MC-JMF54	54	10	16.5	Rustproof / One-touch mounting	Plastic	P.371
	2.5	MC-FS-4W	45	6.7	10.7	One-touch mounting		P.369
	2.2	MC-FS34G	26	9.8	12.5			
		MC-FP5	40	10	13.5			P.370
2 kgf	1.5	MC-FS-2W	26.5	6.7	10.7			P.369
	1.3	MC-FS34W	26	9.8	12.5			
		MC-FS34BB						

Discover What Sugatsune's Website Has to Offer!

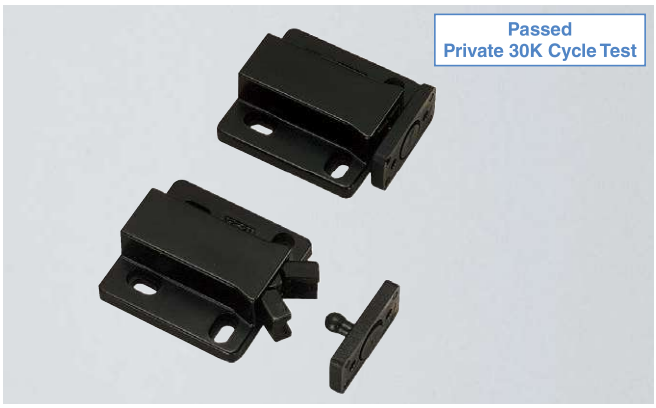
sugatsune global Search

Our site offers...

- Keyword Search + Product Filters
- Installation Instructions
- New Product Information
- CAD Data (2D, 3D)
- Customer Solution Case Studies
- Product Videos
- Hardware Basics
- Selection Tools

NON-MAGNETIC TOUCH LATCH MC-28

Latest Info

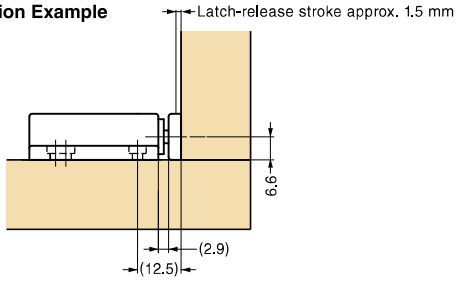


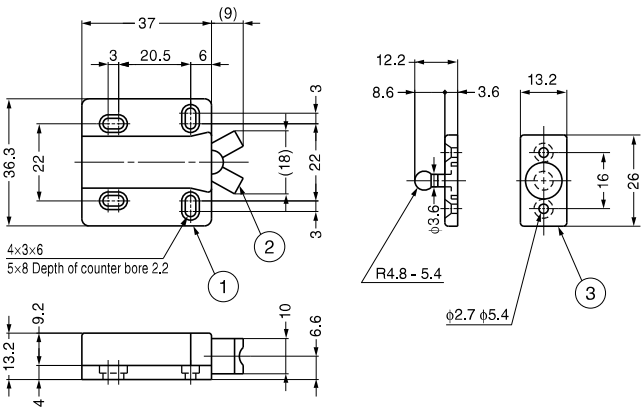
- One push open/close operation removes the need for handles and pulls.
- Non-magnetic.

SCREW

Remarks
- For overlay door, make a 3 mm gap between door and cabinet frame.

Application Example



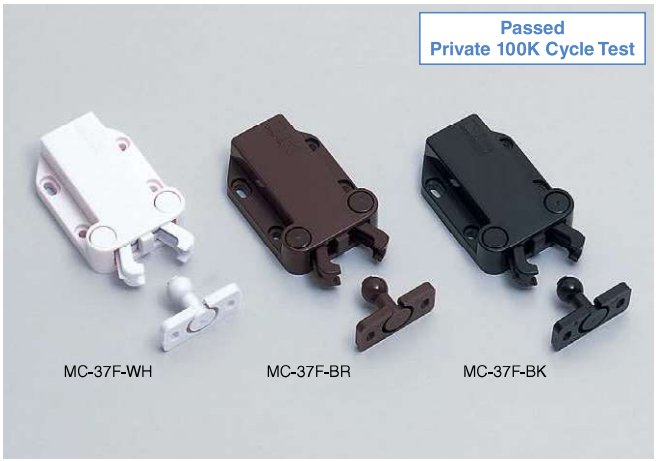


No.	Part Name	Material
①	Body	ABS
②	Arm	Polyacetal (POM)
③	Counter Plate	Polyamide (PA)

Item Code	Item Name	Colour	Retaining Force N	Retaining Force kgf	Weight	Box	Carton
140-059-203	MC-28	Black	29 N	3 kgf	15 g	50 pcs	500 pcs

LAMP NON-MAGNETIC TOUCH LATCH MC-37F

Latest Info

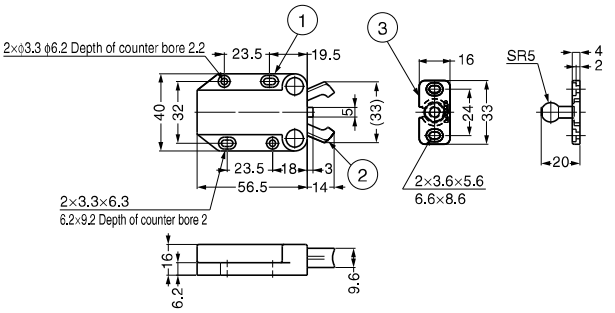


- One push open/close operation removes the need for handles and pulls.
- Counter plate can move within a 3mm diameter area post installation, making adjustment simple.

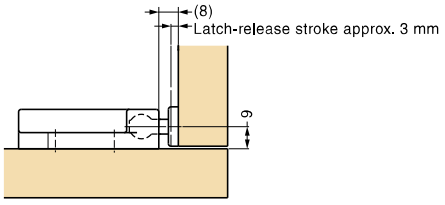
SCREW

Feature

Parts Included
- Round head wood screw 3.5×10, 3.1×13



Application Example



No.	Part Name	Material	Colour
①	Body	ABS	Black, Brown, White
②	Arm	Polyacetal (POM)	Black, Brown, White
③	Counter Plate	Polyamide (PA)	Black, Brown, White

Item Code	Item Name	Colour	Retaining Force N	Retaining Force kgf	Weight	Box	Carton
140-058-064	MC-37F-BK	Black	78 N	8 kgf	24 g	30 pcs	300 pcs
140-058-066	MC-37F-BR	Brown	78 N	8 kgf	24 g	30 pcs	300 pcs
140-058-065	MC-37F-WH	White	78 N	8 kgf	24 g	30 pcs	300 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP NON-MAGNETIC TOUCH LATCH MC-20

Latest Info

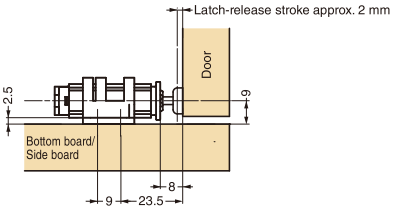


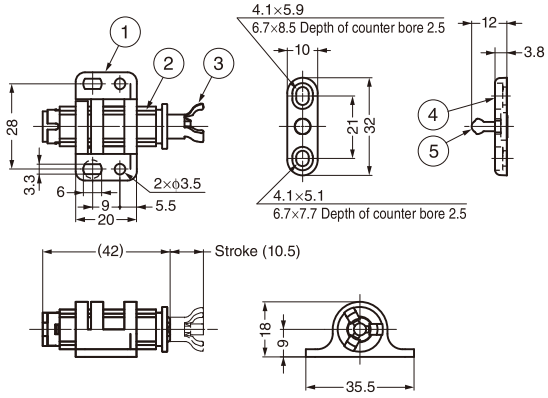
- One push open/close operation removes the need for handles and pulls.
- By twisting the body post installation, stroke protrusion can be adjusted by a total of 13mm.
- Non magnetic.

SCREW

Parts Included

- Round head wood screw 3.1×13





Item Code	Item Name	Colour	Retaining Force		Weight	Box	Carton
140-022-344	MC-20BL	Black	40 N	4 kgf	6 g	30 pcs	600 pcs
140-022-345	MC-20WT	White	40 N	4 kgf	6 g	30 pcs	600 pcs

No.	Part Name	Material	Colour
①	Base	Polypropylene (PP)	Black, White
②	Body	Polypropylene (PP)	Black, White
③	Latch	Polypropylene (PP)	Black, White
④	Counter Plate	Polypropylene (PP)	Black, White
⑤	Counter Plate	Polypropylene (PP)	Black, White

LAMP NON-MAGNETIC TOUCH LATCH MLC-HT130BL

Latest Info



- Heat resistant up to (120°).
- Push latch with long stroke
- One push open/close operation removes the need for handles and pulls.
- Non-magnetic type
- Push in with fingers to shut flap firmly. To open, push on closed flap.
- Floating strike can automatically adjust position ±2mm vertically and ±3.5mm horizontally to fit into counter plate.
- Also available is the non-heat resistant type MLC-100 (P.337).

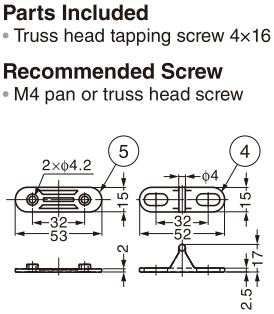
SCREW

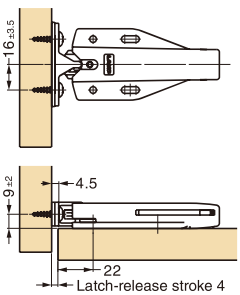
Parts Included

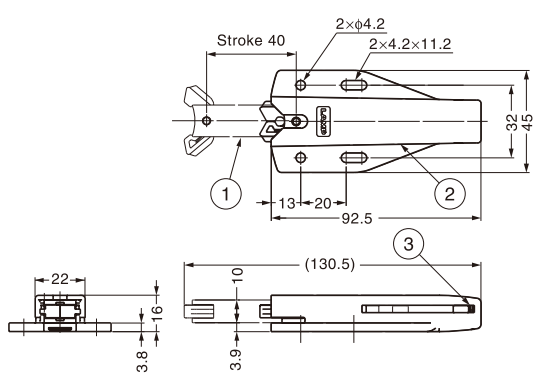
- Truss head tapping screw 4×16 (SUS)

Recommended Screw

- M4 pan or truss head screw







No.	Part Name	Material	Finish/Colour
①	Body1	Polyamide (PA)	Black
②	Body2	PBT	Black
③	Spring	Stainless Steel (SUS304)	Plain
④	Counter Plate	Polyamide (PA)	Black
⑤	Counter Plate	PBT	Black

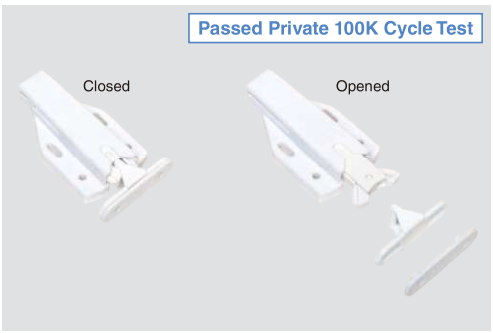
Item Code	Item Name	Retaining Force N	Retaining Force kgf	Push Force N	Push Force kgf	Weight	Box	Carton
140-028-539	MLC-HT130BL	*117.6 N	*12 kgf	16.7 N	1.7 kgf	40 g	20 pcs	240 pcs

*Retaining force reduces with temperature and reaches 3 kgf (29.4 N) at 120˚C.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP NON-MAGNETIC TOUCH LATCH MLC-100DS-WT ±4mm Vertical Adjustment Type PAT NEW

Latest Info



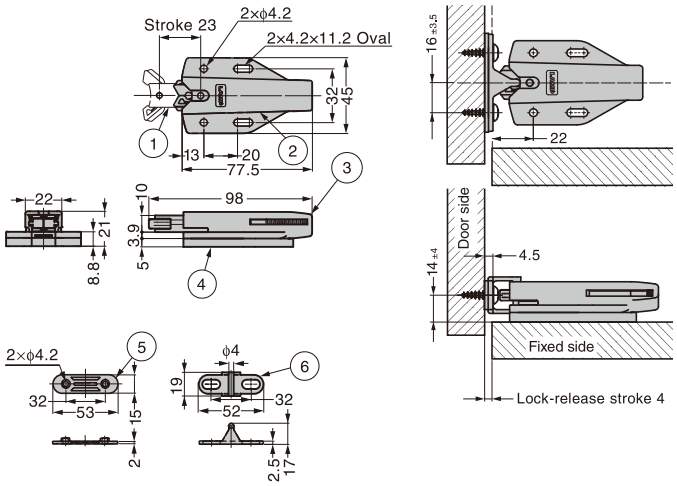
- Wider vertical adjustment range compared with MLC-100 (P.337).
- Adjustment range of counter plate installation position: ±4mm vertically and ±3.5mm horizontally.
- Long stroke.
- No handle needed, just push to open/close.
- Non magnetic.
- Lightly push to open the door.When closing, arm will catch the counter plate and hold the door by lightly pushing, too.
- Installation with rivet is also possible.
- Similar item (vertical adjustment range: ±2mm): MLC-100 (P.337).

Parts Included

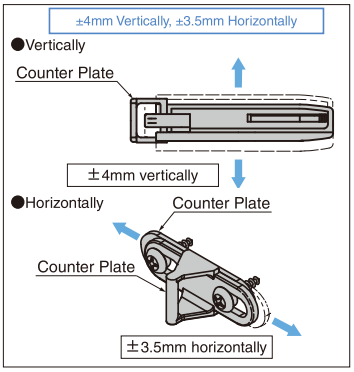
- Truss head tapping screw 4×16 (SUS), 4×20 (SUS)

Recommended Screws

- M4 pan or truss head screw, No.4 rivet



Adjustment



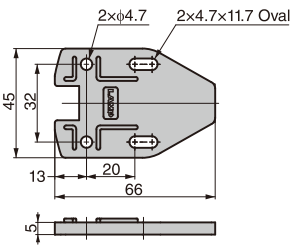
No.	Part Name	Material	Finish/Colour
①	Body 1	Reinforced Nylon	White
②	Body 2	PBT	
③	Spring	Steel	Coloured Zinc Chromate (Trivalent)
④	Spacer	POM	White
⑤	Counter Plate	PBT	
⑥	Counter Plate	POM	

Item Code	Item Name	Colour	Retaining Force N	Retaining Force kgf	Push Force N	Push Force kgf	Weight (g)
140-036-531	MLC-100DS-WT	White	90	9.2	14	1.4	51

LAMP SPACER MLC-100-DP5-WT NEW

Latest Info





- Spacer for MLC-100 (P.337), MLC-100DS-WT (P.336). Can adjust counter plate installation position +5mm.
- One spacer is included in MLC-100DS-WT (P.336).

Item Code	Item Name	Material	Colour	Weight (g)
140-035-318	MLC-100-DP5-WT	POM	White	16

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP NON-MAGNETIC TOUCH LATCH MLC-100

Latest Info

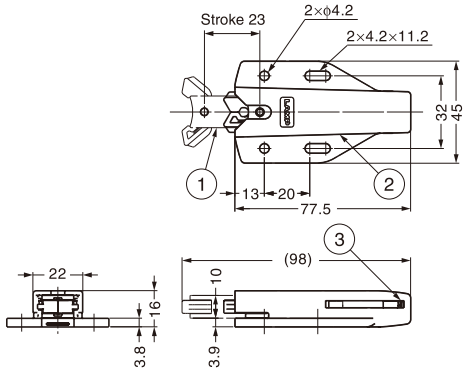


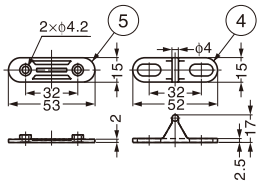
- Push latch with long stroke
- One push open/close operation removes the need for handles and pulls.
- Non-magnetic type
- Floating strike can automatically adjust position ±2mm vertically and ±3.5mm horizontally to fit into counter plate.
- Using the distance plate (sold separately), the installation position of the body can be adjusted
- Also available is the heat resistant type MLC-HT130BL with a 40mm stroke

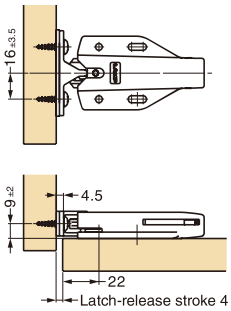
SCREW

Parts Included
- Truss head tapping screw 4×16 (SUS)

Recommended Screw
- M4 pan or truss head screw







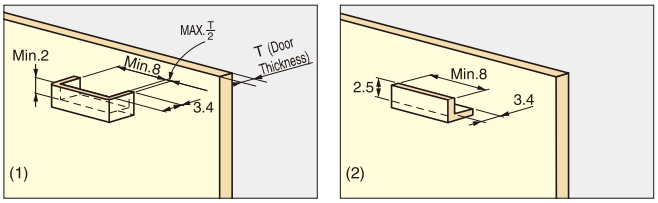
No.	Part Name	Material	Finish/Colour
①	Body1	Polyamide(PA)	White,Black
②	Body2	PBT	White,Black
③	Spring	Steel	Yellow Zinc Chromate
④	Counter Plate	Polyacetal (POM)	White,Black
⑤	Counter Plate	PBT	White,Black

Item Code	Item Name	Retaining Force N	Retaining Force kgf	Push Force N	Push Force kgf	Weight	Box	Carton
140-028-540	MLC-100WT	90 N	9.2 kgf	14 N	1.4 kgf	32 g	20 pcs	240 pcs
140-033-090	MLC-100BL	90 N	9.2 kgf	14 N	1.4 kgf	32 g	20 pcs	240 pcs

NON-MAGNETIC MINI TOUCH LATCH NS2

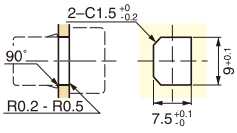
Latest Info

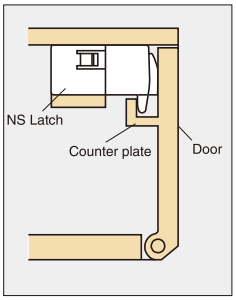




Recommended counter plate dimension.

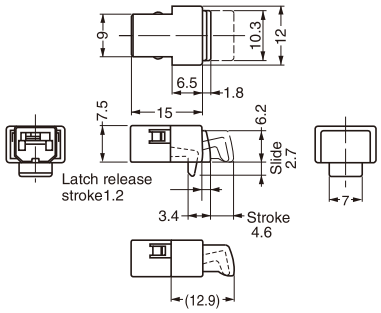
Cut Out Dimensions





- One push open/close operation removes the need for handles and pulls.
- Easy snap-in installation.
- Great solution for smaller flap doors due to its small profile.

Remarks
- Counter plate not included.

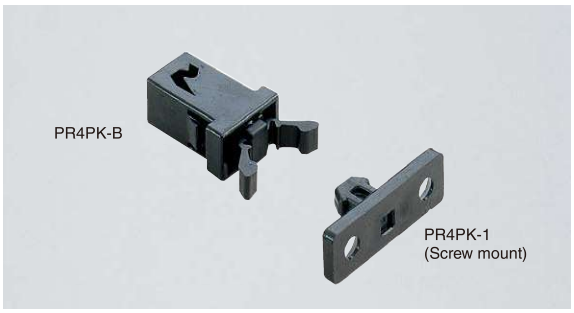


Item Code	Item Name	Material	Door Thickness	Colour	Weight	Box
140-059-098	NS2	Polycarbonate	2	Black	1.1 g	500 pcs

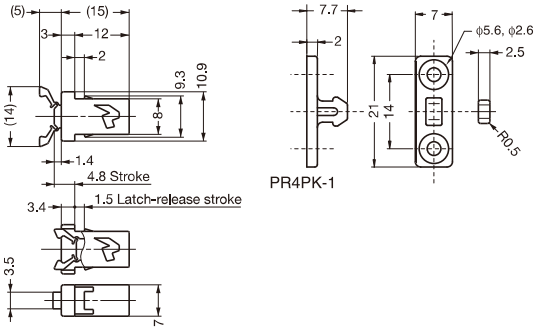
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

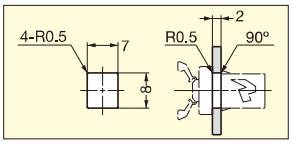
NON-MAGNETIC MINI TOUCH LATCH PR4PK-B

Latest Info

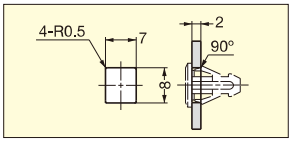


- One push open/close operation removes the need for handles and pulls.
- Easy snap-in installation. (For main body and sheet metal counter plate)





Cut Out Dimensions for body



Cut Out Dimensions (Strike for Snap-in)

Part Name	Material	Colour
Body	Polyacetal	Black
Counter Plate	Polyamide	

Item Code	Item Name	Specification	Retaining Force		Weight	Box	Carton
140-050-118	PR4PK-B	Body	12 N	1.2 kgf	0.7 g	1,000 pcs	8,000 pcs
140-059-019	PR4PK-1	Counter Plate	-	-	0.4 g	-	1,000 pcs

LAMP NON-MAGNETIC MINI TOUCH LATCH ESN-195/BLK

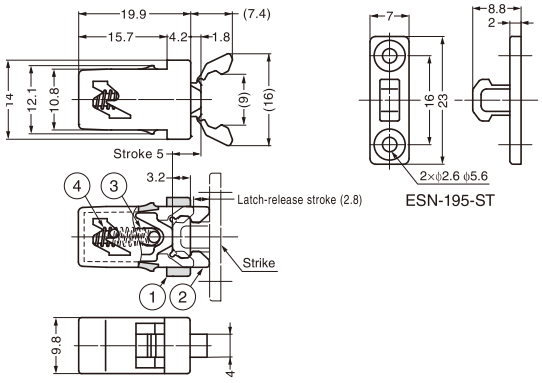
Latest Info



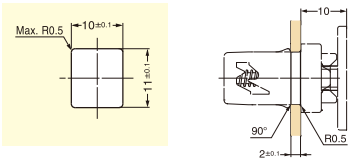
- Compact body with strong retaining force.
- Easy snap-in installation.
- One push open/close operation removes the need for handles and pulls.

Sold Separately
- Counter plate ESN-195-ST

Recommended Screw (For Strikes)
- Countersunk head screw M2.5
- Countersunk head wood screw Nominal 2.4



Cut Out Dimensions



No.	Part Name	Material	Colour
①	Body	Plastic (PBT)	Black
②	Catch	Polyamide (PA)	Black
③	Arm	Plastic (LCP)	Black
④	Spring	Steel	–

Body

Item Code	Item Name	Retaining Force		Weight	Box	Carton
140-059-195	ESN-195/BLK	34 N	3.5 kgf	2.3 g	1,000 pcs	5,000 pcs

Counter Plate

Item Code	Item Name	Material	Weight	Box	Carton
140-014-075	ESN-195-ST	Polyacetal (POM)	0.5 g	1,000 pcs	4,000 pcs

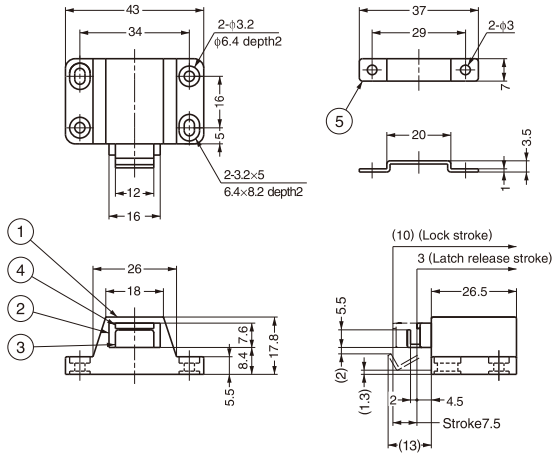
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

NON-MAGNETIC TOUCH LATCH PR-21P

Latest Info



- One push open/close operation removes the need for handles and pulls.



No.	Part Name	Material	Finish/Colour
①	Body	ABS	Black, Brown
②	Slide	Polyacetal	Black, Brown
③	Arm	Steel	Paint/Brown
④	Yoke	Steel	GB
⑤	Counter Plate	Steel	Chrome

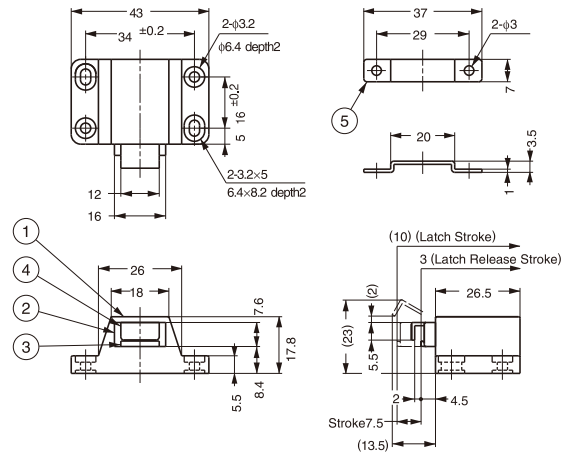
Item Code	Item Name	Colour	Weight	Box	Carton
140-050-277	PR-21PK	Black	16.3 g	100 pcs	800 pcs
140-050-272	PR-21PD	Brown	16.3 g	100 pcs	800 pcs

NON-MAGNETIC TOUCH LATCH PR-20P

Latest Info



- One push open/close operation removes the need for handles and pulls.



No.	Part Name	Material	Finish/Colour
①	Body	ABS Plastic	Black, Brown
②	Slide	Polyacetal	Black, Brown
③	Arm	Steel	Paint/Brown
④	Yoke	Steel	Bronze
⑤	Counter Plate	Steel	Chrome

Item Code	Item Name	Colour	Weight	Box	Carton
140-050-276	PR-20PK	Black	16.3 g	100 pcs	800 pcs
140-050-274	PR-20PD	Brown	16.3 g	100 pcs	800 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. MAGNETIC TOUCH LATCH ML-30S

Latest Info



- The rotary cam mechanism provides greater durability compared to traditional spring mechanisms.
- Eliminates the need for a handle on doors; simply push to open or close.

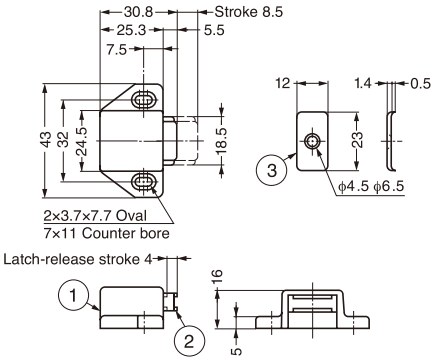
SCREW

Remarks

- For overlay doors, make a 4 mm gap between door and cabinet frame.
- For large doors, please use the ML-120 (P.342) or ML-ZN80 (P.343) instead.

Parts Included

- Round head wood screw 3.1×13, Countersunk head wood screw 3.1×13

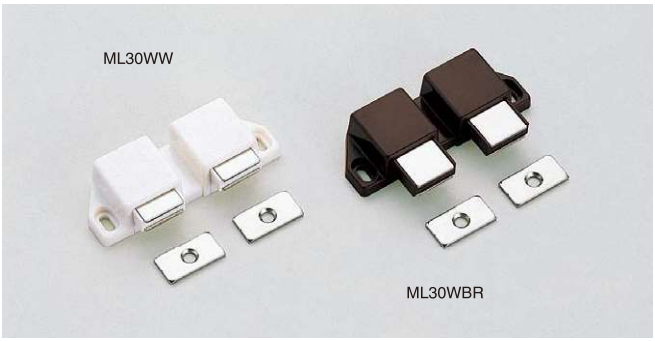


No.	Part Name	Material	Finish/Colour
①	Body	ABS	Brown, White
②	Yoke	Steel (SPCC)	Nickel
③	Counter Plate	Steel (SPCC)	Nickel

Item Code	Item Name	Colour	Screw	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-050-054	ML-30SW	White	3 pcs	11.8 N	1.2 kgf	22.5 g	50 pcs	750 pcs
140-050-055	ML-30SBR	Brown	3 pcs	11.8 N	1.2 kgf	22.5 g	50 pcs	750 pcs

LAMP. MAGNETIC TOUCH LATCH ML-30W

Latest Info



- The rotary cam mechanism provides greater durability compared to traditional spring mechanisms.
- Eliminates the need for a handle on doors; simply push to open or close.

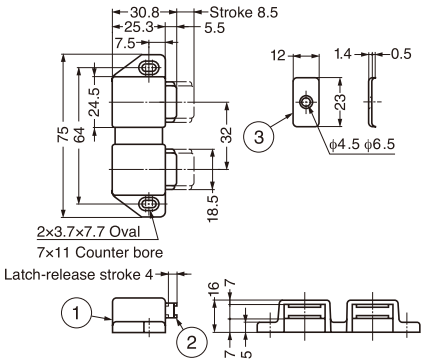
SCREW

Remarks

- For overlay doors, make a 4 mm gap between door and cabinet frame.
- For large doors, please use the ML-120 (P.342) or ML-ZN80 (P.343) instead.

Parts Included

- Round head wood screw 3.1×13, Countersunk head wood screw 3.1×13



No.	Part Name	Material	Finish/Colour
①	Body	ABS	Brown, White
②	Yoke	Steel (SPCC)	Nickel
③	Counter Plate	Steel (SPCC)	Nickel

Item Code	Item Name	Colour	Screw	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-050-056	ML-30WW	White	4 pcs	11.8 N	1.2 kgf	42 g	30 pcs	450 pcs
140-050-057	ML-30WBR	Brown	4 pcs	11.8 N	1.2 kgf	42 g	30 pcs	450 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP MAGNETIC TOUCH LATCH ML-80

Latest Info



- The rotary cam mechanism provides greater durability compared to traditional spring mechanisms.
- Eliminates the need for a handle on doors; simply push to open or close.

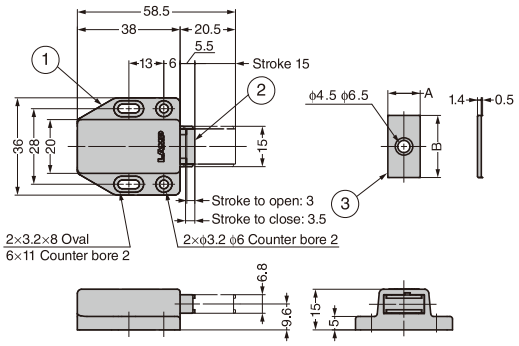
SCREW

Remarks

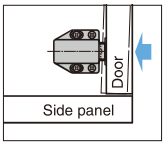
- For overlay doors, make a 3.5 mm gap between door and cabinet frame.
- For large doors, please use the ML-120 (P.342) or ML-ZN80 (P.343) instead.
- Black colour version also available. For further details, please contact local representatives.

Parts Included

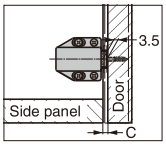
- Round head wood screw 3.1x13, Countersunk head wood screw 2.7x13



Inset Door



Overlay Door



To ensure a push-in allowance of 3.5mm or above in the latch part, please leave a clearance C at the side board.

No.	Part Name	Material	Finish/Colour
①	Body	ABS	Brown, White, Black
②	Yoke	Steel (SPCC)	Coloured Zinc Chromate (trivalent)
③	Counter Plate	Steel (SPCC)	-Brown/white: Coloured Zinc Chromate (trivalent) -Black: Copper Plating

Item Code	Item Name	Colour	A	B	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-050-270	ML-80BR	Brown	12	23	15.7 N	1.6 kgf	22 g	20 pcs	400 pcs
140-050-271	ML-80WT	White	12	23	15.7 N	1.6 kgf	22 g	20 pcs	400 pcs
140-050-013	ML-80BL	Black	11.5	22.5	15.7 N	1.6 kgf	22 g	20 pcs	400 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. MAGNETIC TOUCH LATCH ML-120

Latest Info



- The rotary cam mechanism provides greater durability compared to traditional spring mechanisms.
- Eliminates the need for a handle on doors; simply push to open or close.

SCREW

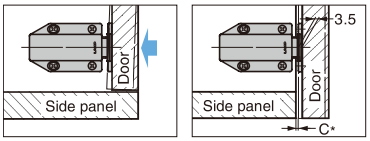
Remarks

- For overlay door, make a 3.5 mm gap between door and cabinet frame.

Parts Included

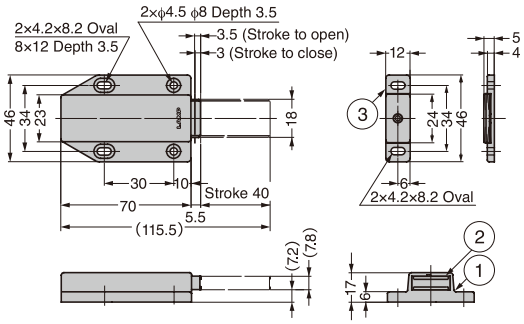
- Countersunk head tapping screw 4×16

Inset Door **Overlay Door**



*Mounting plate should not be included in this measurement.

To ensure at least 3.5mm of push-in space for the latch, please provide clearance (C in the diagram) between the door and the side panel.



No.	Part Name	Material	Finish/Colour
①	Body	ABS	Brown, White, Black
②	Yoke	Steel (SPCC)	Coloured Zinc Chromate (trivalent)
③	Counter Plate	Steel (SPCC)	-Brown/White: Coloured Zinc Chromate (trivalent) -Black: Copper Plating

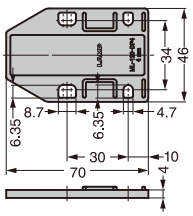
Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-050-338	ML-120BR	Brown	23.5 N	2.4 kgf	53 g	20 pcs	240 pcs
140-050-337	ML-120WT	White	23.5 N	2.4 kgf	53 g	20 pcs	240 pcs
140-047-124	ML-120BL	Black	23.5 N	2.4 kgf	53 g	20 pcs	240 pcs

LAMP. DISTANCE PLATE ML-120-DP4

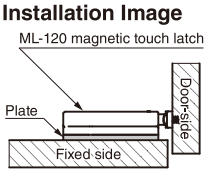
Latest Info



- Distance plate for use with ML-120 (P.342). Extends the mounting position by +4 mm. Multiple plates can be stacked to increase the distance in +4 mm increments.



Installation Image



Item Code	Item Name	Material	Weight (g)	Box (pcs)	Carton (pcs)
140-055-358	ML-120-DP4-WT	Polyacetal (POM)	8.87	120	720
140-055-359	ML-120-DP4-BR				
140-055-360	ML-120-DP4-BL				

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP METAL MAGNETIC TOUCH LATCH ML-ZN80 NEW

Latest Info

Passed
Private 100K Cycle Test



ML-ZN80WT ML-ZN80BR ML-ZN80BL

- The body is made of metal for high durability.
- Designed for use on large doors due to its strong push force.
- Uses flame retardant plastic rated UL94V-0.
- The magnet part has an allowance of 1.5° on each side to catch the strike plate correctly.
  This helps the magnet to adjust even if there is a slight misalignment.
- The screws for the mounting plate are designed to be hidden from view.
- For overlay doors, please make sure there is correct clearance between the door and side board as shown in the drawings below.
- A Brown version is now available.

SCREW

Application

- Walk-in closets, concealed doors.

Remarks

- The magnetic force may vary. Please comfirm with actual products before use.
- Please install the body at the height where people are supposed to push.
- Please use hinges which do not have catch functions.

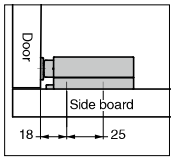
Parts Included

- Cross-recessed tapping screw M4 × 16
- Cross-recessed tapping screw M3 × 16

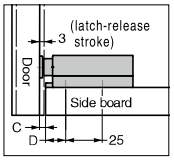
Feature

Installation

●Inset Doors



●Overlay Doors

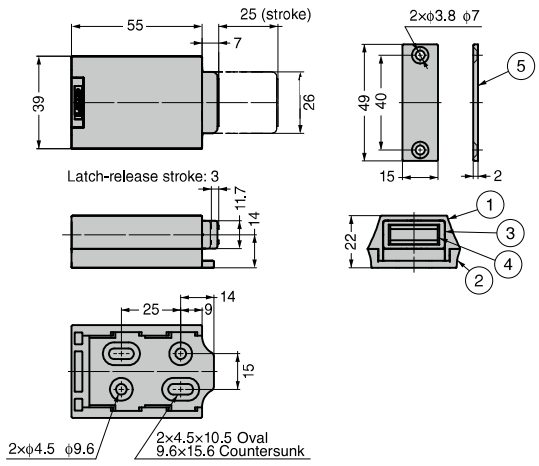


Dimension

C (mm)	D (mm)
3	15
4	14

Please make sure there is the "C clearance" on the side board.
It makes the installation easier to align the edge of the body to the edge of the side board.





No.	Part Name	Material	Finish/Colour
①	Body	Zinc Alloy (ZDC)	Enamel Finish
②	Mounting Plate		
③	Latch	Polyamide (PA)	–
④	Magnet	Ferrite	
⑤	Strike Plate	Stainless Steel	Barrel Polished

Item Code	Item Name	Colour	Magnetic Force		Push Force		Max. Door Specs (reference)			Weight (g)	Box (pcs)	Carton (pcs)
			N	kgf	N	kgf	Height (mm)	Width (mm)	Weight (kg)			
140-043-880	ML-ZN80BL	Black	29.4	3	49	5	2440	915	125	160	10	100
140-043-881	ML-ZN80WT	White									10	100
140-056-849	ML-ZN80BR	Brown									10	100

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP MAGNETIC TOUCH LATCH MC-25

Latest Info

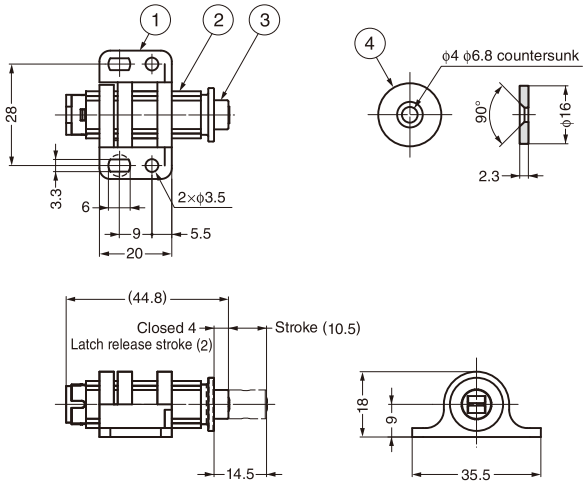


- One push open/close operation removes the need for handles and pulls.
- By twisting the body post installation, stroke protrusion can be adjusted by a total of 13mm.

SCREW

Parts Included

- Round head wood screw 3.1×13 (4 pcs)
- Countersunk head wood screw 3.1×13 (1 pc)



No.	Part Name	Material	Finish/Colour
①	Base	Polypropylene (PP)	Black, White
②	Body	Polypropylene (PP)	Black, White
③	Latch	Polypropylene (PP)	Black, White
④	Counter Plate	Steel (SUM)	Nickel

Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-022-347	MC-25BL	Black	4.9 N	0.5 kgf	10 g	30 pcs	600 pcs
140-022-346	MC-25WT	White	4.9 N	0.5 kgf	10 g	30 pcs	600 pcs

LAMP MAGNETIC TOUCH LATCH MC-S60

Latest Info

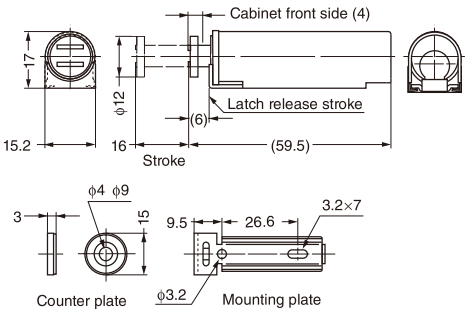


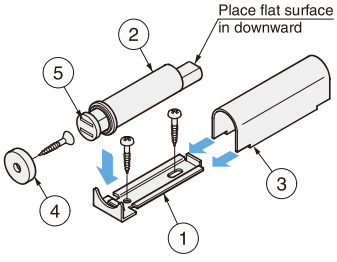
- Can be used for overlay and inset door (Door thickness: 13-23 mm).
- Stylish design with stainless cover.

SCREW

Parts Included

- Pan head wood screw 3.1×13, Countersunk head wood screw 3.8×16
- Counter plate W12





No.	Part Name	Material	Finish/Colour
①	Mounting Plate	Steel	Nickel
②	Body	Polyacetal (POM)/ABS	Brown
③	Cover	Stainless Steel (SUS430)	–
④	Counter Plate	Steel	Nickel
⑤	Yoke	Steel	Nickel

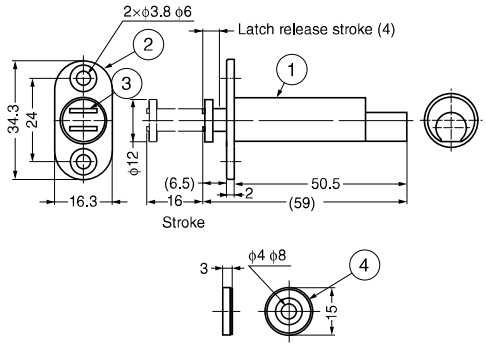
Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-050-129	MC-S60	10.8 N	1.1 kgf	28.5 g	30 pcs	600 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP MAGNETIC TOUCH LATCH (MORTISE TYPE) MC-U60

Latest Info





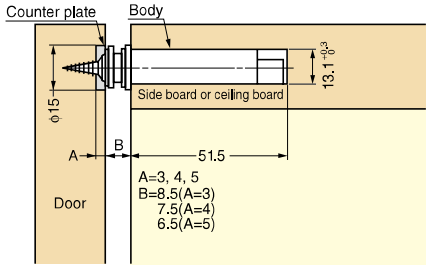
- For small overlay door.

SCREW

Parts Included

- Pan head wood screw 2.9×13, Countersunk head wood screw 3.8×16
- Counter plate W12

Cut Out Dimensions



No.	Part Name	Material	Finish/Colour
①	Body	Polyacetal (POM)/ABS	Brown
②	Mounting Plate	Stainless Steel (SUS430)	–
③	Yoke	Steel	Nickel
④	Counter Plate	Steel	Nickel

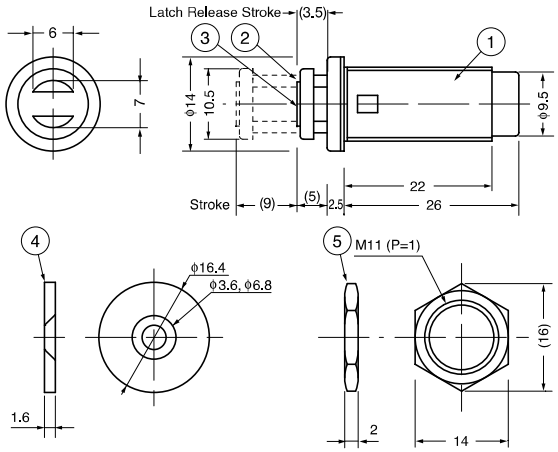
Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-050-016	MC-U60	10.8 N	1.1 kgf	19 g	30 pcs	600 pcs

MAGNETIC TOUCH LATCH PM-4N HB

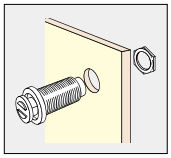
Latest Info



- Push to open/close.
- Note: For overlay doors, make a 3.5 mm gap between door and cabinet frame.



Installation



No.	Part Name	Material	Finish/Colour
①	Body	ABS	Black
②	Yoke	Steel	Black Nickel
③	Magnet	Ferrite	-
④	Counter Plate	Steel	GB
⑤	Nut		Yellow Zinc Chromate

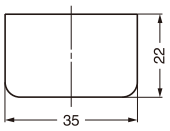
Item Code	Item No.	Magnetic Force kgf	Weight	Box	Carton
140-059-147	PM-4N HB	1.3 kgf	9 g	350 pcs	2100 pcs

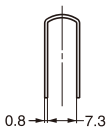
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

PUSH PLATE K-110

Latest Info







Application Example



- Counter plate for magnetic catch.
- The optional spacer allows for installation on 6mm thick glass doors.

Parts Included
- Spacer (for 5mm thick glass)

Optional Parts
- Spacer (for 6mm thick glass)

Body

Item Code	Item Name	Material	Finish	Glass Thickness	Weight	Box
140-014-045	K-110CR	Steel	Chrome	5	10.5 g	200 pcs
140-010-015	K-110B	Steel	Paint/Black	5	10.5 g	200 pcs

Spacer (Optional)

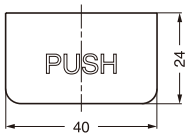
Item Code	Item Name	Material	Finish	Glass Thickness	Weight	Carton
140-053-472	K-110-P6	Chloroprene Rubber (CR)	Black	6	0.6 g	3,000 pcs

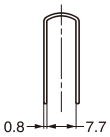
PUSH PLATE K-130

Latest Info









Application Example



- Counter plate for magnetic catch.
- The optional spacer allows for installation on 6mm thick glass doors.

Parts Included
- Spacer (for 5mm thick glass)

Optional Parts
- Spacer (for 6mm thick glass)

Body

Item Code	Item Name	Material	Finish	Glass Thickness	Weight	Box
140-014-046	K-130CR	Steel	Chrome	5	13 g	200 pcs
140-014-047	K-130B	Steel	Paint/Black	5	13 g	200 pcs

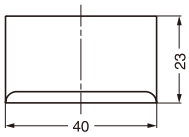
Spacer (Optional)

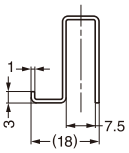
Item Code	Item Name	Material	Finish	Glass Thickness	Weight	Carton
140-053-473	K-130-P6	Chloroprene Rubber (CR)	Black	6	0.7 g	3,000 pcs

PUSH PLATE (WITH PULL) K-150

Latest Info







Application Example



- Counter plate for magnetic catch.
- The optional spacer allows for installation on 6mm thick glass doors.

Parts Included
- Spacer (for 5mm thick glass)

Optional Parts
- Spacer (for 6mm thick glass)

Body

Item Code	Item Name	Material	Finish	Glass Thickness	Weight	Box
140-014-048	K-150CR	Steel	Chrome	5	19.1 g	200 pcs
140-014-049	K-150B	Steel	Paint/Black	5	19.1 g	200 pcs

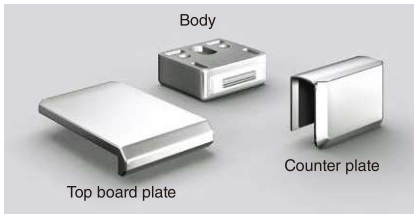
Spacer (Optional)

Item Code	Item Name	Material	Finish	Glass Thickness	Weight	Carton
140-053-473	K-130-P6	Chloroprene Rubber (CR)	Black	6	0.7 g	3,000 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. MAGNETIC CATCH XL-GC09-CR

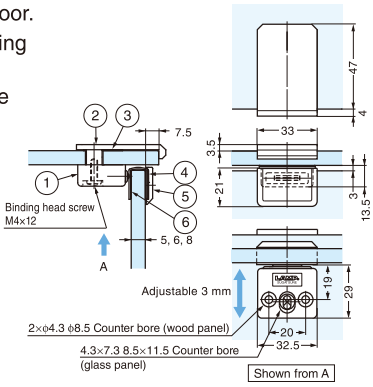
Latest Info



Application Example



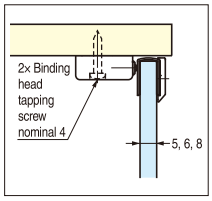
- Magnetic catch for cabinet door.
- Both for glass and wood ceiling board.
- Total cabinet design available with XL-GC01 (P.1233), XL-GC02 (P.1233), XL-GC04(P.134) and XL-GC05(P.134)
- Recommended to use with XL-G01-CR, XL-GC02, handles or knobs.



Screw Included

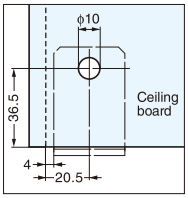
- Binding head screw M4×12

Application (Wood Panel)

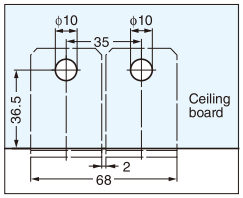


Cut Out Dimensions

Glass Swing Door (Right)



Glass Double Door



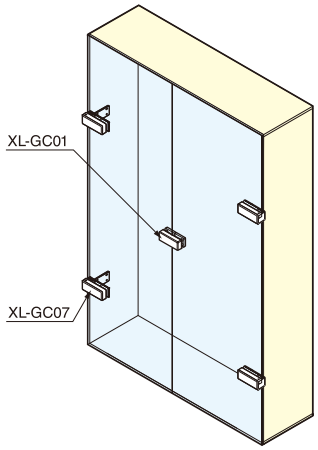
Item Code	Item Name	Glass Thickness	Magnetic Force		Weight	Box	Carton
140-017-556	XL-GC09-CR	5, 6, 8	14.7 N	1.5 kgf	110 g	1 pc	24 pcs

No.	Part Name	Material	Finish/Colour
①	Body	Zinc Alloy (ZDC)	Chrome
②	Top Board Plate	Zinc Alloy (ZDC)	Chrome
③	Spacer	Rubber	Black
④	Strike	Steel	Chrome
⑤	Counter Plate	Zinc Alloy (ZDC)	Chrome
⑥	Gasket	Foam Rubber	Black

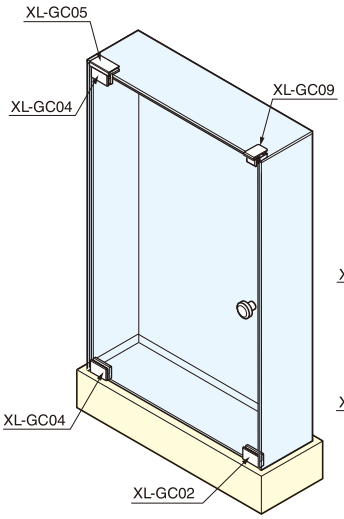
Series Overview

LAMP. Glass Showcase Hardware Series Digest XL-GC

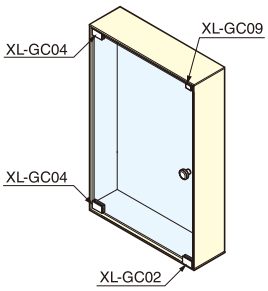
Double Door



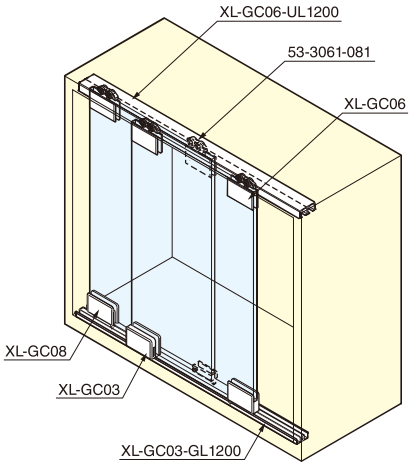
Swing Door



Can be installed on wooden cabinet.



Sliding Door



Locks

Part Name	Item Name		Page
For Double Doors	XL-GC01-CR		P.1233
For Swing Doors	XL-GC02-CR		
For Sliding Doors	XL-GC03-CR		

Hinges

Part Name	Item Name		Page
Inset Type	XL-GC04-CR		P.168
Overlay Type	XL-GC07-CR		P.167
Glass Bracket	XL-GC05-CR		P.168

Sliding Door Hardware

Part Name	Item Name		Page
Upper Bracket	XL-GC06-CR		P.493
Bottom Guide Bracket	XL-GC08-CR		

Catch

Part Name	Item Name		Page
Magnetic Catch	XL-GC09-CR		P.347

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP MAGNETIC CATCH MC-YN001, MC-YN001P

Latest Info



MC-YN001 (Magnetic catch)



MC-YN001P (Magnetic catch, counter plate and screw)

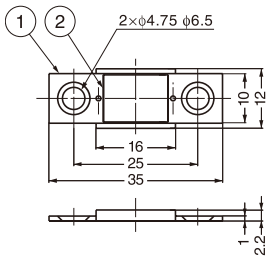
- 2.2mm ultra thin magnetic catch operates well even in tight spaces.
- Very strong neodymium magnet

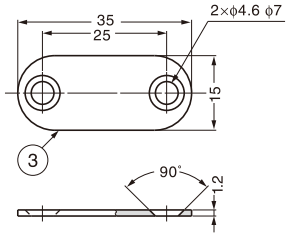
SCREW

Remarks
- Max. temperature: 80˚C

Parts Included (MC-YN001P)
- Countersunk head tapping screw 3×14

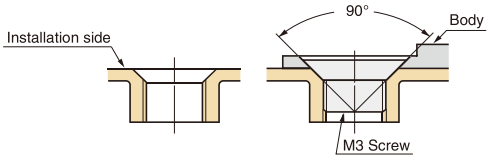
Recommended Screw
- Countersunk head screw M3 or Countersunk head wood screw nominal 3.1





Counter plate: MC-YN001U (P.374)

Cut Out Dimensions and Installation Example



No.	Part Name	Material	Finish
①	Body	Steel	Nickel
②	Magnet	Neodymium	Nickel
③	Counter Plate	Steel	Nickel

Item Code	Item Name	Type	Magnetic Force		Weight	Box	Carton
140-050-257	MC-YN001	Magnetic catch only	26.5 N	2.7 kgf	4.0 g	100 pcs	2,000 pcs
140-050-000	MC-YN001P	Magnetic catch·Strike Plate & Screws	26.5 N	2.7 kgf	7.5 g	100 pcs	2,000 pcs

LAMP MAGNETIC CATCH MC-YN015S, MC-YN015SP

Latest Info



MC-YN015S (Magnetic catch)



MC-YN015SP (Magnetic catch, counter plate and screws)

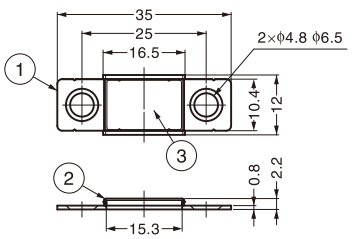
- 2.2mm ultra thin magnetic catch operates well even in tight spaces.
- Very strong neodymium magnet
- Covered in an epoxy coating for high corrosion resistance.

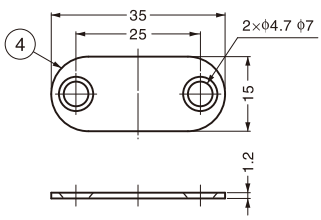
SCREW SUS

Remarks
- Max. temperature: 80˚C

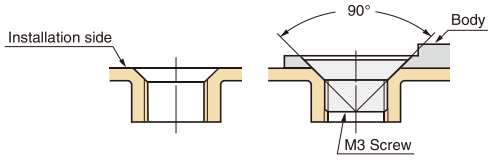
Parts Included (MC-YN015SP)
- Countersunk head tapping screw 3×14

Recommended Screw
- Countersunk head screw M3 or Countersunk head wood screw nominal 3.1





Cut Out Dimensions and Installation Example



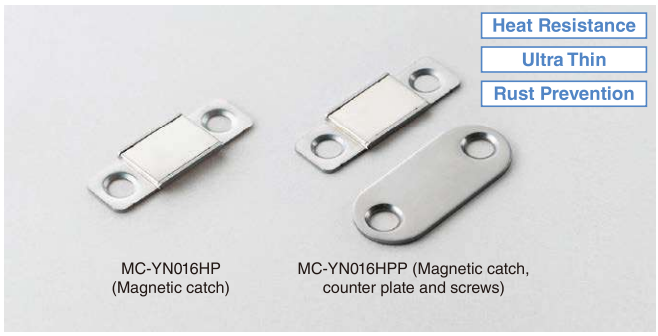
No.	Part Name	Material	Finish
①	Body	Stainless Steel (Equivalent)	Polished
②	Cover	Stainless Steel (SUS304)	Plain
③	Magnet	Neodymium	Plastic Coating
④	Counter Plate	Stainless Steel (Equivalent)	Polished

Item Code	Item Name	Type	Magnetic Force		Weight	Box	Carton
140-020-672	MC-YN015S	Magnetic catch only	22.5 N	2.3 kgf	3.6 g	100 pcs	2,000 pcs
140-020-673	MC-YN015SP	Magnetic catch·Strike Plate & Screws	22.5 N	2.3 kgf	7.3 g	100 pcs	2,000 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP MAGNETIC CATCH MC-YN016HP NEW

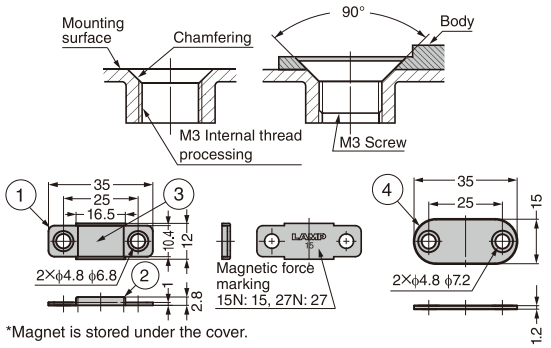
Latest Info



- Suitable for high temperature environments up to 250℃.
- Anti rust: made of stainless steel.
- Ultra thin magnetic catch of 2.8mm thick ideal for tight spaces.
- Small body with strong magnetic force (samarium cobalt magnet).
- Magnetic catch only or set including magnetic catch, counter plate and screws available.
- Installation with rivet is also possible.
- Non-heat resistance type MC-YN015S (P.348) of the same shape also available.

SUS

Cut Out Dimensions and Installation Example For M3 screw



*Magnet is stored under the cover.

Remarks

- Be sure to read the “Precautions for Use” (P.327).
- The counter plate should be in contact with the yokes on both sides and should not be in contact directly with the cover. Direct contact may break the magnet.
- Be sure to chamfer the mounting surface for screws and rivets. In this way, screw head will not project when the body is fixed (refer to “Cut Out Dimensions and Installation Example”).

Parts Included

For MC-YN016HPP only

- Counter plate
- Countersunk head tapping screw 3×14 (SUS)

Recommended Screws

- Countersunk head screw M3 or Countersunk head wood screw nominal 3.1

No.	Part Name	Material	Finish
①	Yoke	Stainless Steel (SUS430)	Barrel Polished
②	Cover	Stainless Steel (SUS304)	Plain
③	Magnet	Samarium Cobalt	
④	Counter Plate	Stainless Steel (SUS430)	Barrel Polished

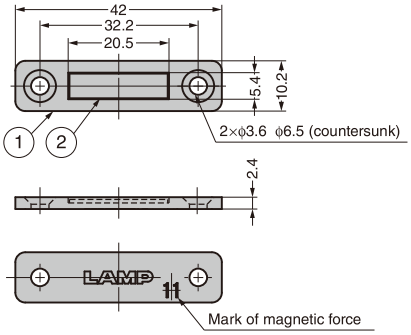
Item Code	Item Name	Type	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
140-033-220	MC-YN016HP-15	Magnetic Catch Only	15	1.5	4	100	2000
140-033-221	MC-YN016HPP-15	Magnetic Catch・Counter Plate & Screws			10.4	100	2000
140-033-222	MC-YN016HP-27	Magnetic Catch Only	27	2.8	5	100	2000
140-033-223	MC-YN016HPP-27	Magnetic Catch・Counter Plate & Screws			11.4	100	2000

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP ULTRA-THIN MAGNETIC CATCH MC-421 NEW

Latest Info





- Super-slim and compact design: 2.4 mm thick and 10.2 mm wide.

Remarks
- Be sure to read the “Precautions for Use” (P.327).
- Max. temperature: 80
- The counter plate should be in contact with the body. Direct contact may damage the magnet.

Recommended Screw
- Countersunk head wood screw M3

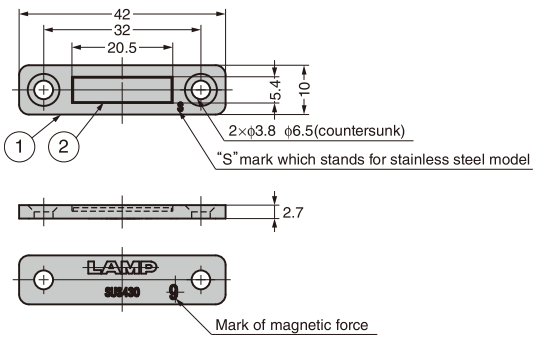
No.	Part Name	Material	Finish
①	Body	Steel (SPCC)	Nickel
②	Magnet	Neodymium	

Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
140-045-390	MC-421-11	11	1.1	6.4	250	1500
140-045-391	MC-421-30	30	3.1	6.6	250	1500

LAMP ULTRA-THIN MAGNETIC CATCH MC-421SUS Stainless Steel NEW

Latest Info





- Made of stainless steel for high corrosion resistance.
- Super-slim and compact design: 2.7 mm thick and 10 mm wide.

SUS

Remarks
- Be sure to read the “Precautions for Use” (P.327).
- Max. temperature: 80
- The counter plate should be in contact with the body. Direct contact may damage the magnet.

Recommended Screw
- Countersunk head wood screw M3

No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS430)	Barrel Polished
②	Magnet	Neodymium	Nickel

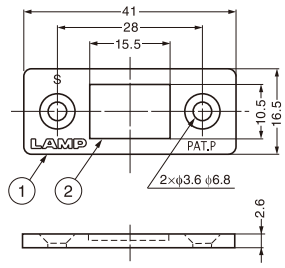
Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
140-045-392	MC-421SUS-9	9	0.9	6.9	250	1500
140-045-393	MC-421SUS-24	24	2.4	7.1	250	1500

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP MAGNETIC CATCH MC-158

Latest Info





*Without the mark "PAT.P" from the next production lot

- 2.6mm ultra thin magnet operates well even in tight spaces
- Similar item with strong magnetic force: MC-159-8 (P.352)
- Similar item made from stainless steel: MC-159-SUS (P.352)

Remarks
- Max. temperature: 80˚C

Recommended Screw
- Countersunk head wood screw or Countersunk head screw M3

Sold separately
- Counter plate: MC-YN001U (P.374)

Counter Plate (Sold Separately)

Item Code	Item Name	Page
140-059-555	MC-YN001U	P.374
140-038-025	MC-YN001U-BL	P.374

No.	Part Name	Material	Finish
①	Body	Steel	Nickel
②	Magnet	Neodymium	Nickel

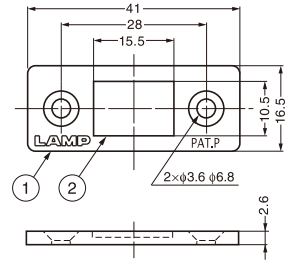
Body

Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-050-014	MC-158	14.7 N	1.5 kgf	12 g	200 pcs	1,000 pcs

LAMP MAGNETIC CATCH MC-159

Latest Info





*Without the mark "PAT.P" from the next production lot

- 2.6mm ultra thin magnet operates well even in tight spaces
- Strong magnetic force
- Similar item with strong magnetic force: MC-159-8 (P.352)
- Similar item made from stainless steel: MC-159-SUS (P.352)

Remarks
- Max. temperature: 80˚C

Recommended Screw
- Countersunk head wood screw or Countersunk head screw M3

Sold Separately
- Counter plate: MC-YN001U (P.374)

Counter Plate (Sold Separately)

Item Code	Item Name	Page
140-059-555	MC-YN001U	P.374
140-038-025	MC-YN001U-BL	P.374

No.	Part Name	Material	Finish (MC-159)	Finish (MC-159-BL)
①	Body	Steel	Nickel	Copper Plating (Black)
②	Magnet	Neodymium	Nickel	Black Chromate (Trivalent)

Body

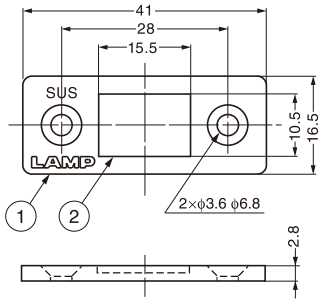
Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-058-061	MC-159	39 N	4 kgf	12 g	200 pcs	1,000 pcs
140-038-023	MC-159-BL	39 N	4 kgf	12 g	200 pcs	1,000 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP MAGNETIC CATCH MC-159-SUS

Latest Info





- 2.8mm ultra thin magnet operates well even in tight spaces
- Covered with an acrylic resin coating for high corrosion resistance.
- Very strong magnetic force
- Similar items with different magnetic forces: MC-158, MC-159 (P.351), MC-159-8 (P.352)

SUS

Remarks
- Max. temperature: 80˚C

Recommended Screw
- Flat head screw M3 or Countersunk head wood screw 3.1

Sold Separately
- Counter plate (made of SUS) MC-JM49 (P.373), AS-68 (P.374)

No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS430)	Mirror
②	Magnet	Neodymium	Nickel

Body

Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-026-511	MC-159-SUS	49 N	5 kgf	13 g	200 pcs	1,000 pcs

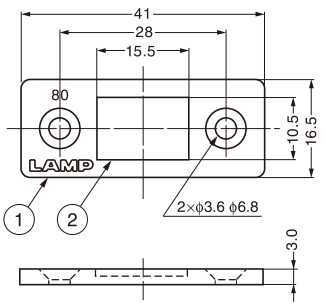
Counter Plate (Sold Separately)

Item Code	Item Name	Page
140-059-555	MC-YN001U	P.374

LAMP MAGNETIC CATCH MC-159-8

Latest Info





- 3mm ultra thin magnet operates well even in tight spaces
- Extremely strong magnetic force
- Similar items with different magnetic forces: MC-158, MC-159 (P.351), MC-159-SUS (P.352)

Remarks
- Max. temperature: 80˚C

Recommended Screw
- Flat head screw M3 or Countersunk head wood screw 3.1

Sold Separately
- Counter plate MC-YN001U (P.374)

No.	Part Name	Material	Finish
①	Body	Steel	Nickel
②	Magnet	Neodymium	Nickel

Body

Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-026-510	MC-159-8	78.4 N	8 kgf	14 g	200 pcs	1,000 pcs

Counter Plate (Sold Separately)

Item Code	Item Name	Page
140-059-555	MC-YN001U	P.374

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. SEALED MAGNETIC CATCH MC-MS45

Latest Info

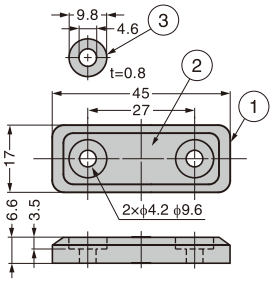


- The body covered with silicon rubber reduces the noise when the door closed.
- Small body with strong magnetic force by using neodymium magnet.
- Washer fitted in the body fixing hole prevents silicone rubber from tearing when screwed.
- Similar item (larger size and stronger magnetic force): MC-MS50 (P.353).

Remarks
- Be sure to read the “Precautions for Use” (P.327).
- Do not use in strong acid and strong alkaline environment.
- Do not use in contact with steam, hot water and water.
- Max. temperature: 80°C
- Do not scrape strongly, as damaged magnetic surface may tear. Please use flat counter plate without irregularities.

Sold Separately
- Counter plate MC-JMP45 (P.373)
- Counter plate AS-68 (P.374), MC-JM49 (P.373)

Recommended Screws
- Truss head screw M4



Body

Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
140-033-799	MC-MS45LGR	Light Grey	19.6	2	12	100	1000
140-033-800	MC-MS45DGR	Dark Grey				100	1000

Counter Plate (Sold Separately)

Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
140-050-122	MC-JMP45WT	7	100	1000
140-029-241	MC-JMP45BL	7	100	1000
140-050-138	AS-68	17	100	1000
140-050-149	MC-JM49	10	100	1000

No.	Part Name	Material	Finish / Colour
①	Body	Silicone Rubber (Q)	Light Grey, Dark Grey
②	Magnet	Neodymium	Nickel
③	Washer	Stainless Steel (SUS304)	Plain

LAMP. SEALED MAGNETIC CATCH MC-MS50

Latest Info

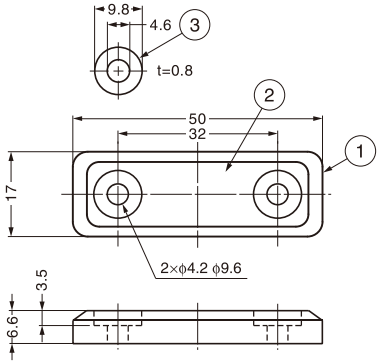


- Magnetic catch is hermetically sealed in silicone rubber, reducing any noise from contact with magnet.
- Compact profile with strong magnetic force due to neodymium magnet.
- Designed to prevent silicone rubber covering from ripping when fixing into position with screws.
- Is a larger size of MC-MS45 with higher magnetic force.

Remarks
- Max. temperature: 80˚C

Sold Separately
- Counter plate MC-JMP45 (P.373), AS-68 (P.374), MC-JM49 (P.373)

Recommended Screw
- Truss screw M4



Body

Item Code	Item Name	Colour	Magnetic Force		Weight	Box	Carton
140-024-468	MC-MS50LGR	Light Grey	39.2 N	4 kgf	15 g	100 pcs	1,000 pcs
140-024-469	MC-MS50DGR	Dark Grey	39.2 N	4 kgf	15 g	100 pcs	1,000 pcs

Counter Plate (Sold Separately)

Item Code	Item Name	Page
140-050-122	MC-JMP45WT	P.373
140-029-241	MC-JMP45BL	P.373
140-050-138	AS-68	P.374
140-050-149	MC-JM49	P.373

No.	Part Name	Material	Finish/Colour
①	Body	Silicone Rubber (Q)	Light Grey, Dark Grey
②	Magnet	Neodymium	Nickel
③	Plate	Stainless Steel (SUS304)	Plain

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SEALED MAGNETIC CATCH MC-JM38 Ultra-thin NEW

Latest Info



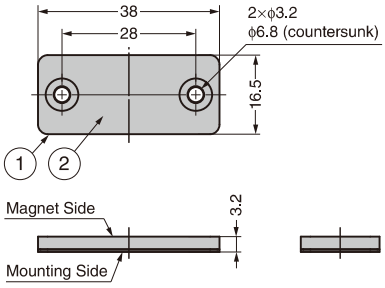
- Covered with resin to prevent from rusting.
- Made of neodymium for strong magnetic force.
- The thickness is only 3.2 mm.
- Ideal for clean room, wet condition. It is recommended to use with the MC-JMP45 sealed counter plate. (P.373)

Application
- Washing machine, kitchen equipment.

Sold Separately
- MC-JMP45 sealed counter plate

Recommended Screw
- Countersunk screw M3

Remarks
- Max. temperature: 80℃
- Recommended tightening torque: Max. 31.5 N.cm (3.2 kgf.cm)



No.	Part Name	Material	Finish/Colour
①	Body	Polypropylene	White, Black
②	Magnet	Neodymium	Nickel

Counter Plate (Sold Separately)

Item Code	Item Name
140-050-122	MC-JMP45WT
140-029-241	MC-JMP45BL

Magnetic Catch

Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
140-050-608	MC-JM38WT	White	14.7	1.5	5	200	1,000
140-050-609	MC-JM38BL	Black				200	1,000

LAMP SEALED MAGNETIC CATCH MC-JM45

Latest Info

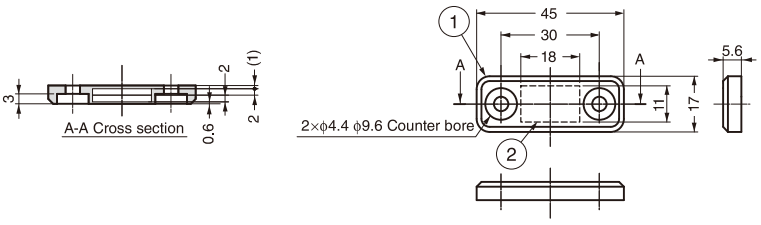


- Resin sealing the magnet prevents rusting.
- Thin magnetic catch ideal for tight space.
- Strong magnetic force.
- Ideal for kitchen equipment by using with the counter plate MC-JMP45 (P.373)

Remarks
- Max. temperature: 80˚C

Recommended Screw
- Nominal 4 tapping screw or M4 screw

Sold Separately
- Counter plate MC-JMP45, MC-JM49, AS-68 (P.373-374)



No.	Part Name	Material	Colour
①	Body	Polypropylene (PP)	White, Black
②	Magnet	Neodymium	–

Counter Plate (Sold Separately)

Item Code	Item Name	Page
140-050-122	MC-JMP45WT	P.373
140-029-241	MC-JMP45BL	P.373
140-050-149	MC-JM49	P.373
140-050-138	AS-68	P.374

Body

Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-050-154	MC-JM45WT	29.4 N	3 kgf	8.5 g	100 pcs	1000 pcs
140-029-240	MC-JM45BL	29.4 N	3 kgf	8.5 g	100 pcs	1000 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SEALED MAGNETIC CATCH (FOOD SANITATION ACT COMPLIANT MATERIAL) MC-MSH

Latest Info



- Body material is compliant with the Food Sanitation Act (standard test for rubber implement, containers and packaging but not baby bottles).
- Blue body makes it easy to find even if it is covered in food and other parts can also be detected with a metal detector.
- The body is covered with silicone rubber which reduces the noise caused when the door closes.
- Small body with strong magnetic force due to neodymium magnet.
- Washer fitted in the body screw hole prevents silicone rubber from tearing when screwed.

Remarks

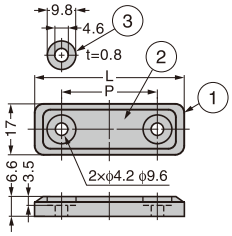
- Do not use in strong acid or strong alkaline environments.
- Do not use in contact with steam, hot water or water.
- Max. temperature: 80°C
- Do not scrape violently, as the damaged surface may tear. Please use a flat counter plate without irregularities.

Sold Separately

- Counter plate AS-68, MC-JM49 (P.373-374)

Recommended Screws

- Truss screw M4



Body

Item Code	Item Name	L	P	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
140-033-801	MC-MSH45BU	45	27	19.6	2	12	100	1000
140-033-802	MC-MSH50BU	50	32	39.2	4	15	100	1000

Counter Plate Sold Seperately

Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
140-050-138	AS-68	17	100	1000
140-050-149	MC-JM49	10	100	1000

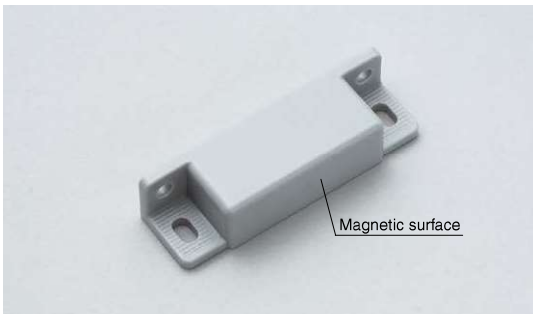
No.	Part Name	Material	Finish / Colour
①	Body	Silicone Rubber (Q)	Blue
②	Magnet	Neodymium	Nickel
③	Washer	Stainless Steel (SUS304)	Plain

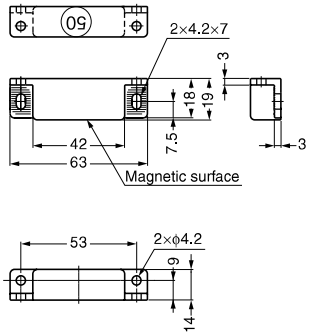
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

SELECTION GUIDE
TOUCH LATCHES
MAGNETIC CATCHES
KNUCKLE/ TENSION CATCHES
PUSH KNOB LATCHES
LEVER LATCHES
DRAW LATCHES
SLIDE/ BARREL BOLTS

LAMP SEALED MAGNETIC CATCH MC-JM63G For Wet Area

Latest Info





- Can be installed vertically or horizontally
- Hermetically sealed magnet has high rust resistance, is dust proof and prevents metal on metal contact.
- When used near water or cleaning areas, recommended to be used with the hermetically sealed magnetic catch MC-JMP45.
- Great solution for kitchens, bathing and shower areas.

Part Name	Material	Colour
Body	Polyacetal (POM)	Grey
Magnet	Neodymium	–

Remarks
- Max. temperature: 80˚C

Recommended Screw
- Nominal 4 tapping screw or M4 screw

Body

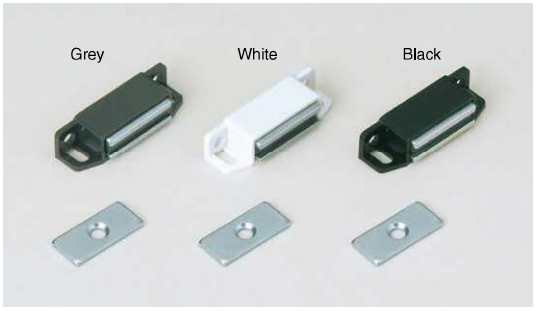
Item Code	Item Name	Magnetic Force		Weight	Box	Carton
140-050-153	MC-JM63G-15	14.7 N	1.5 kgf	24 g	50 pcs	500 pcs
140-050-152	MC-JM63G-30	29.4 N	3 kgf	28 g	50 pcs	500 pcs
140-050-151	MC-JM63G-50	49 N	5 kgf	40 g	50 pcs	500 pcs

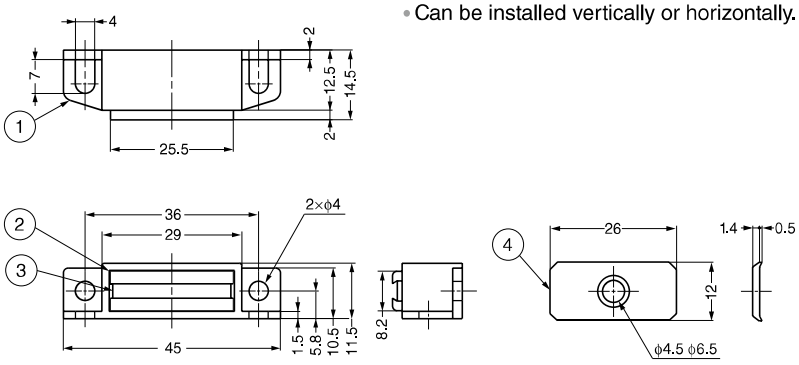
Counter Plate (Sold Separately)

Item Code	Item Name	Page
140-050-122	MC-JMP45WT	P.373
140-029-241	MC-JMP45BL	P.373
140-050-149	MC-JM49	P.373
140-050-138	AS-68	P.374

MAGNETIC CATCH MC0099

Latest Info





- Can be installed vertically or horizontally.

Item Code	Item Name	Colour	Magnetic Force		Weight	Box	Carton
140-050-501	MC0099BP	Black	10.8 N	1.1 kgf	16.3 g	100 pcs	1,000 pcs
140-050-503	MC0099SBP	Black	37.2 N	3.8 kgf	16.3 g	100 pcs	1,000 pcs
140-050-502	MC0099WP	White	10.8 N	1.1 kgf	16.3 g	100 pcs	1,000 pcs
140-050-504	MC0099SWP	White	37.2 N	3.8 kgf	16.3 g	100 pcs	1,000 pcs
140-050-505	MC0099GP	Grey	51 N	5.2 kgf	16.3 g	100 pcs	1,000 pcs

No.	Part Name	Material	Finish/Colour
①	Body	ABS	White, Black
		Polycarbonate (PC)	Grey
②	Yoke	Steel	Yellow Zinc Chromate
③	Magnet	Ferrite	–
④	Counter Plate	Steel	Clear Zinc Chromate

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP MAGNETIC CATCH MC-YC-06

Latest Info

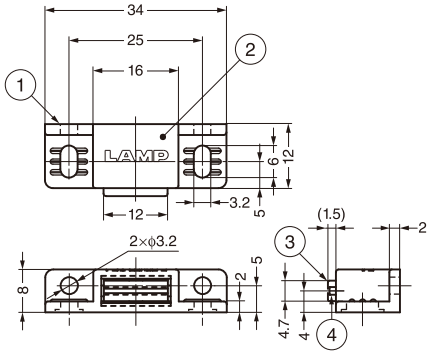


- Strong die casted body.
- Small body with strong magnetic force.
- Can be installed vertically or horizontally.
- Similar item: MC-YS (P.358)

Remarks
- Max. temperature: 80˚C

Sold Separately
- Counter plate MC-YN001U (P.374)

Recommended Screw
- M3 Pan head screw



No.	Part Name	Material	Finish
①	Body	Zinc Alloy (ZDC)	Nickel
②	Case Bracket	Stainless Steel (SUS304)	–
③	Yoke	Steel	Clear Zinc Chromate
④	Magnet	Neodymium	Nickel

Item Code	Item Name	Magnetic Force		Weight	Box	Carton
140-028-432	MC-YC-06	44.1 N	4.5 kgf	12 g	100 pcs	1,000 pcs

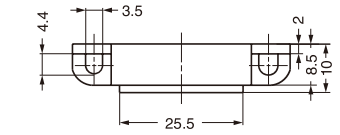
Counter Plate (Sold Separately)

Item Code	Item Name	Page
140-059-555	MC-YN001U	P.374

LAMP MAGNETIC CATCH MC-110NF

Latest Info



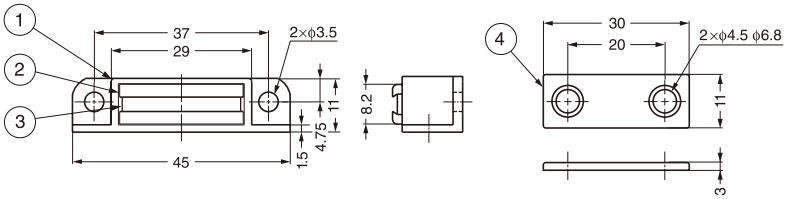


- Can be installed vertically or horizontally.
- Strong magnetic catch operates well even in tight spaces.

SCREW

Remarks
- Max. temperature: 80˚C

Parts Included
- Pan head wood screw 3.1×13
- Countersunk head wood screw 2.9×13



No.	Part Name	Material	Finish/Colour
①	Body	Polycarbonate (PC)	White/Grey
②	Yoke	Steel	Yellow Zinc Chromate
③	Magnet	Neodymium	–
④	Counter Plate	Steel	Yellow Zinc Chromate

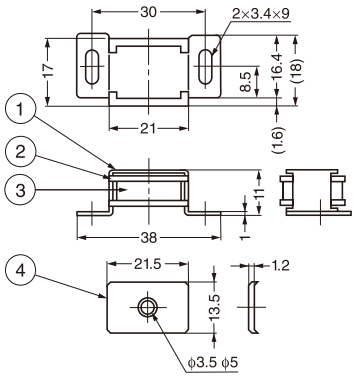
Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-050-335	MC-110NF-WT	White	78.4 N	8 kgf	10 g	100 pcs	800 pcs
140-050-336	MC-110NF-GR	Grey	78.4 N	8 kgf	10 g	100 pcs	800 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. MAGNETIC CATCH MC-S78

Latest Info





SCREW

Parts Included
- Round head wood screw 3.1×13 2 pcs
- Countersunk head wood screw 2.4×13 1 pc

No.	Material	Finish/Colour
①	Aluminium Alloy	Brown
②	Steel (Yoke)	Clear Zinc Chromate
③	Ferrite	–
④	Steel	Clear Zinc Chromate

Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-050-030	MC-S78	7.8 N	0.8 kgf	17 g	36 pcs	720 pcs

LAMP. MAGNETIC CATCH MC-YS

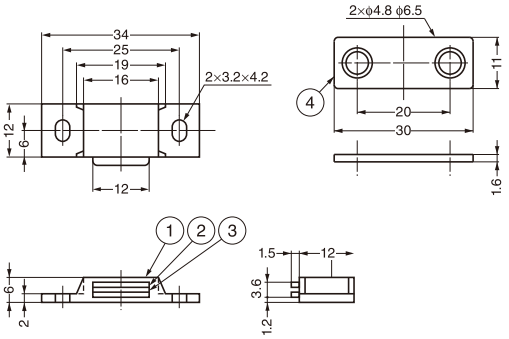
Latest Info



- Ultra thin magnetic catch ideal for tight space.
- Extra strong magnetic force: MC-YS001, MC-YS001P
- Weaker magnetic force: MC-YS002, MC-YS002P

SCREW

Parts Included (MC-YS001P, MC-YS002P)
- Countersunk head wood screw 2.7×13
- Countersunk head wood screw 3.1×13



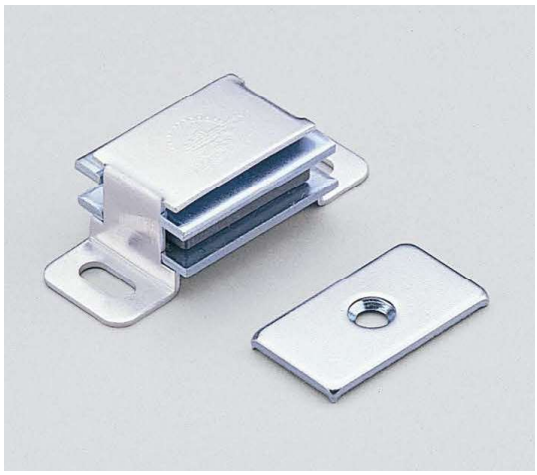
No.	Material		Finish/Colour	
	MC-YS001· MC-YS001P	MC-YS002· MC-YS002P	MC-YS001· MC-YS001P	MC-YS002· MC-YS002P
①	PBT		White	
②	Steel		Yellow Zinc Chromate	Clear Zinc Chromate
③	Neodymium	Ferrite	Nickel	–
④	Steel		Yellow Zinc Chromate	

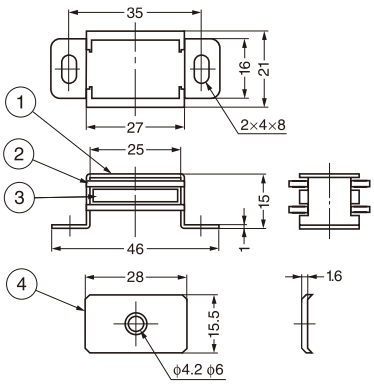
Item Code	Item Name	Type	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-050-298	MC-YS001	Magnetic Catch Only	29.4 N	3 kgf	6 g	100 pcs	1,000 pcs
140-050-296	MC-YS001P	Magnetic Catch·Strike Plate & Screws	29.4 N	3 kgf	6 g	100 pcs	1,000 pcs
140-050-297	MC-YS002	Magnetic Catch Only	12 N	1.2 kgf	5 g	100 pcs	1,000 pcs
140-050-295	MC-YS002P	Magnetic Catch·Strike Plate & Screws	12 N	1.2 kgf	5 g	100 pcs	500 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP MAGNETIC CATCH MC-S88

Latest Info





SCREW

Parts Included
- Round head wood screw 2.7×13 2 pcs
- Countersunk head wood screw 2.9×13 1 pc

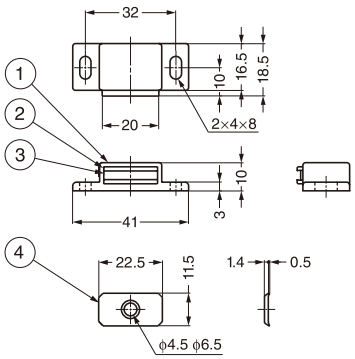
No.	Material	Finish
①	Aluminium Alloy	Plain
②	Steel (Yoke)	Clear Zinc Chromate
③	Ferrite	–
④	Steel	Clear Zinc Chromate

Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-050-032	MC-S88	14.7 N	1.5 kgf	28.5 g	24 pcs	720 pcs

MAGNETIC CATCH MC0097

Latest Info





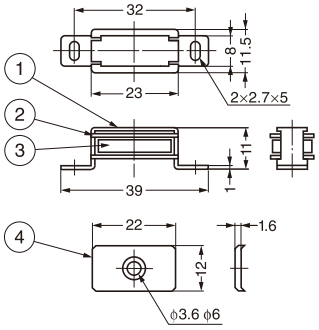
No.	Material	Finish/Colour
①	Polyethylene (PE)	Black, White
②	Steel (Yoke)	Clear Zinc Chromate
③	Ferrite	–
④	Steel	Clear Zinc Chromate

Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-050-331	MC0097W	White	14.7 N	1.5 kgf	12 g	100 pcs	1,000 pcs
140-050-329	MC0097W-1	White	34.3 N	3.5 kgf	12 g	100 pcs	1,000 pcs
140-050-332	MC0097B	Black	14.7 N	1.5 kgf	12 g	100 pcs	1,000 pcs
140-050-330	MC0097B-1	Black	34.3 N	3.5 kgf	12 g	100 pcs	1,000 pcs

LAMP MAGNETIC CATCH MC-SM10

Latest Info





SCREW

Parts Included
- Round head wood screw 2.7×13 2 pcs
- Countersunk head wood screw 2.4×13 1 pc

No.	Material	Finish
①	Aluminium Alloy	Anodized
②	Steel (Yoke)	Clear Zinc Chromate
③	Ferrite	–
④	Steel	Clear Zinc Chromate

Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-050-202	MC-SM10	20 N	2 kgf	12 g	100 pcs	1,000 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP MAGNETIC CATCH MC-EA

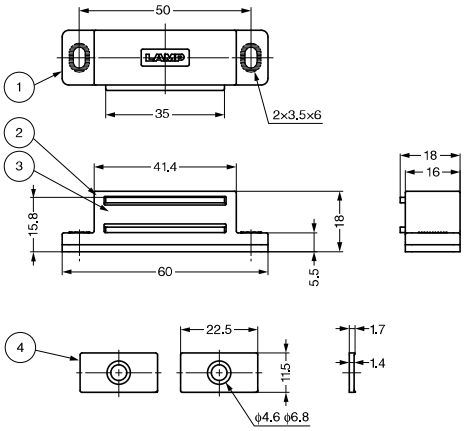
Latest Info



SCREW

Parts Included

- Cross-recessed truss head tapping screw
- Countersunk head wood screw 2.7×13



No.	Part Name	Material	Finish/Colour
①	Body	Polyethylene (PE)	Brown
②	York	Steel (Yoke)	Yellow Zinc Chromate
③	Magnet	Ferrite	–
④	Counter plate	Steel	Bronze

The finish of the following parts will be "Clear Zinc Chromate (trivalent)" when the current stock runs out.
- York (No.1)
- Counter plate (No.4)
- Included screw

Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Screw	Weight	Box	Carton
140-050-061	MC-EA	19.6 N	2 kgf	4 pcs	40 g	24 pcs	360 pcs

LAMP MAGNETIC CATCH MC-E

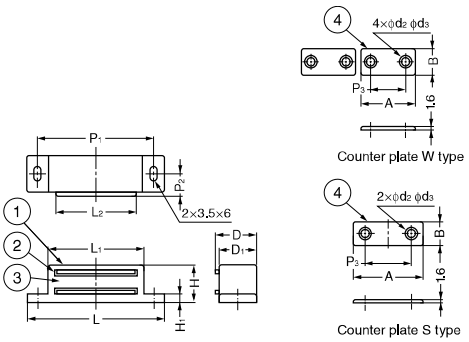
Latest Info



SCREW

Parts Included

- Pan head wood screw 3.1×13
- Countersunk head wood screw 2.9×13



No.	Material	Finish/Colour
①	Polyethylene (PE)	White
②	Steel (Yoke)	Yellow Zinc Chromate
③	Ferrite	–
④	Steel	Yellow Zinc Chromate

Item Code	Item Name	L	L_1	L_2	D	D_1	H	H_1	P_1	P_2	A	B	P_3	d_2	d_3	Magnetic Force N	Magnetic Force kgf	Screw	Weight	Box	Carton
140-050-058	MC-EM-S	50	34.2	28	16	15	13	3.8	41.5	9	30	11	20	4.8	6.5	19.6 N	2 kgf	4 pcs	26 g	24 pcs	720 pcs
140-050-059	MC-EL-S	60	41.4	34.6	17.5	16	18	3.5	50	9.5	38	14	25	4.3	6.4	23.5 N	2.4 kgf	4 pcs	38 g	24 pcs	360 pcs
140-050-060	MC-EL-W	60	41.4	34.6	17.5	16	18	3.5	50	9.5	20	13	10	4.4	6.4	23.5 N	2.4 kgf	6 pcs	38 g	24 pcs	360 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP MAGNETIC CATCH MC-K

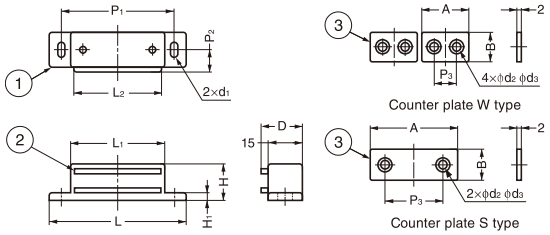
Latest Info



SCREW

Parts Included

- Internal sponge reduces noise from contact when door closes.



No.	Material	Finish/Colour
①	PBT	White
②	Steel (Yoke)	Clear Zinc Chromate
③	Steel	Chrome

Item Code	Item Name	L	L1	L2	D	H	H1	P1	P2	d1	A	B	P3	d2	d3	Magnetic Force N	Magnetic Force kgf	Screw	Weight	Box	Carton
140-050-290	MC-KM-S	50.5	33	30	17	12	3	42	10	3.2×6.2	30	11.5	20	4.2	6.7	23.5 N	2.4 kgf	4 pcs	26 g	12 pcs	720 pcs
140-050-291	MC-KL-S	60	42	38	18	16	3.2	50	10.5	3.2×6	38	14	25	4.3	6.4	27.4 N	2.8 kgf	4 pcs	45 g	12 pcs	360 pcs
140-050-292	MC-KL-W	60	42	38	18	16	3.2	50	10.5	3.2×6	20	13	10	4.3	6.4	27.4 N	2.8 kgf	6 pcs	45 g	12 pcs	360 pcs

MAGNETIC CATCH MC84

Latest Info

- Yoke position adjustable 5.5 mm.

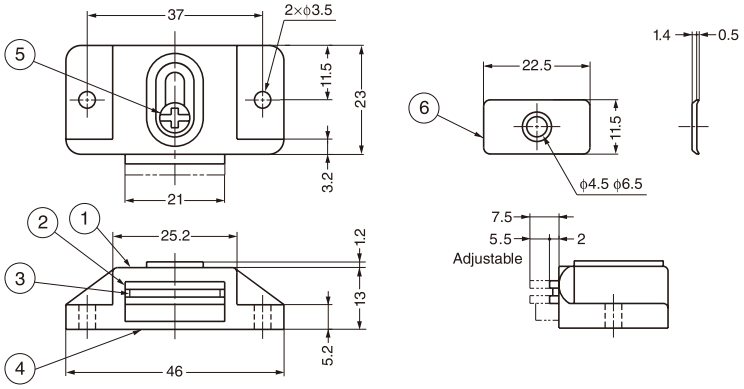

MC84BG


MC84BR

SCREW

Parts Included

- Pan head wood screw 3.1×13
- Countersunk head wood screw 2.7×13



No.	Part Name	Material	Finish/Colour	
			BR	BG
①	Body	ABS	Brown	Beige
②	Yoke	Steel	Bronze*	Nickel*
③	Magnet	Ferrite	–	–
④	Back Plate	ABS	Brown	Beige
⑤	Screw	Steel	Bronze*	Nickel*
⑥	Counter Plate	Steel	Bronze*	Nickel*

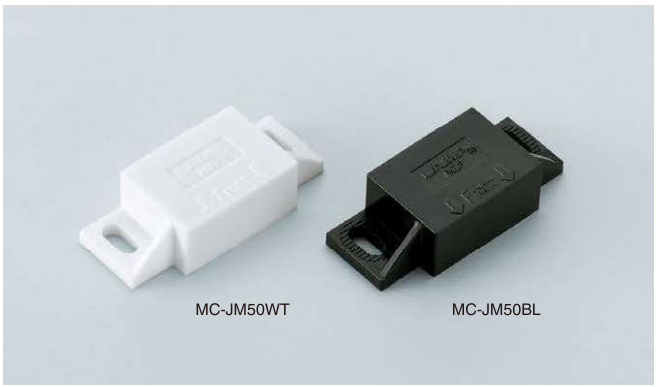
*The finishes will be "Clear Zinc Chromate (Trivalent)" when the current stock is run out.

Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-058-046	MC84BR	Brown	29.4 N	3 kgf	18 g	100 pcs	1,000 pcs
140-058-047	MC84BG	Beige	29.4 N	3 kgf	18 g	100 pcs	1,000 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SEALED MAGNETIC CATCH MC-JM50

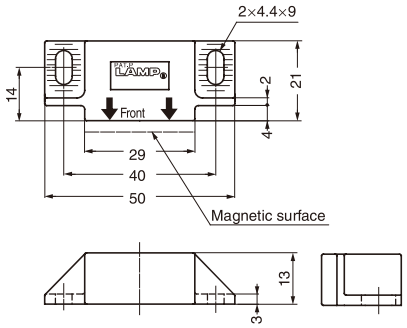
Latest Info



- Resin body prevents rusting.
- Ideal for kitchen or bath equipment by using with the counter plate MC-JMP45 (P.373)

Remarks
- Max. temperature: 80˚C

Recommended Screw
- Nominal 4 tapping screw or M4 screw



Part Name	Material	Colour
Body	Polyacetal (POM)	White, Black
Magnet	Neodymium	-

Body

Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-050-156	MC-JM50WT	White	29.4 N	3 kgf	21 g	24 pcs	480 pcs
140-050-155	MC-JM50BL	Black	29.4 N	3 kgf	21 g	24 pcs	480 pcs

Counter Plate (Sold Separately)

Item Name	Page
MC-JMP45	P.373

LAMP SEALED MAGNETIC CATCH MC-JMS45WT

Latest Info





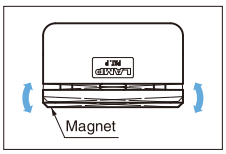
- Magnet has resin cover, giving it high rust resistance and prevents dust intrusion.
- Great solution for areas that may be exposed to water on a regular basis like kitchens and showers.
- Magnetic face can pivot to allow for better contact with counter plate.
- When using in applications that will come into contact with water, please use with the sealed magnetic catch MC-JMP45 (sold separately).

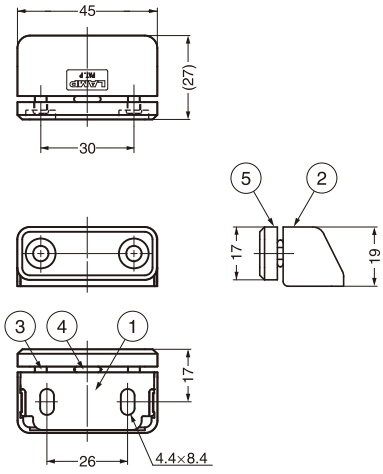
Remarks
- Max. temperature: 80˚C

Sold Separately
- Counter plate MC-JMP45 (P.373), AS-68 (P.374), MC-JM49 (P.373)

Recommended Screw
- M4 screw, tapping screw nominal 4

Movement of Magnet





No.	Part Name	Material	Finish/Colour
①	Body (Thickness t=1.5)	Stainless Steel (SUS304)	Mirror
②	Cover	Polypropylene (PP)	White
③	Shaft	Stainless Steel (SUS303)	Plain
④	Ring	Rubber (FKM)	Black
⑤	Magnet (MC-JM45WT/above)	Polypropylene (PP) /Neodymium	White

Body

Item Code	Item Name	Magnetic Force		Weight	Box	Carton
140-024-597	MC-JMS45WT	29.4 N	3 kgf	26 g	24 pcs	240 pcs

Counter Plate (Sold Separately)

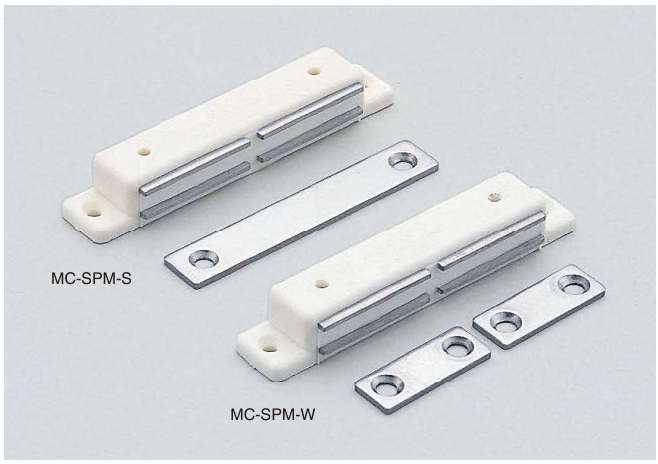
Item Code	Item Name	Page
140-050-122	MC-JMP45WT	P.373
140-029-241	MC-JMP45BL	P.373
140-050-138	AS-68	P.374
140-050-149	MC-JM49	P.373

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

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DRAW LATCHES
SLIDE/ BARREL BOLTS

LAMP MAGNETIC CATCH MC-SP

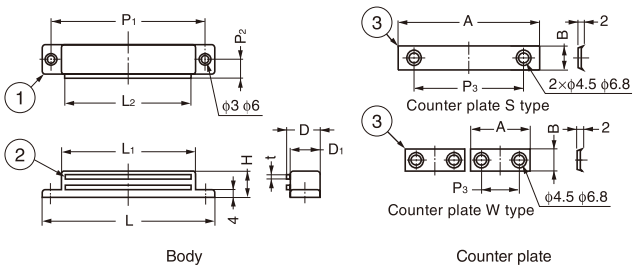
Latest Info



- Internal sponge reduces noise from contact when door closes.

SCREW

Parts Included
- Countersunk head wood screw 2.7×1.6 (SUS)



No.	Material	Finish/Colour
①	PBT	White
②	Stainless Steel (SUS430)	–
③	Stainless Steel (SUS430)	–

Item Code	Item Name	L	L1	L2	D	D1	H	P1	P2	t	A	B	P3	Magnetic Force		Screw	Weight	Box	Carton
140-050-070	MC-SPM-S	86	68.4	63	17	15	13	77	9.5	1.5	70	12	57	47.0 N	4.8 kgf	4 pcs	57 g	12 pcs	360 pcs
140-050-071	MC-SPM-W	86	68.4	63	17	15	13	77	9.5	1.5	30	11	20	47.0 N	4.8 kgf	6 pcs	53.5 g	12 pcs	360 pcs
140-050-072	MC-SPL-S	106	85.6	80	20.5	18	16	94	11.5	2	79	14	65	54.9 N	5.6 kgf	4 pcs	100 g	6 pcs	180 pcs
140-050-073	MC-SPL-W	106	85.6	80	20.5	18	16	94	11.5	2	38	14	25	54.9 N	5.6 kgf	6 pcs	100 g	6 pcs	180 pcs

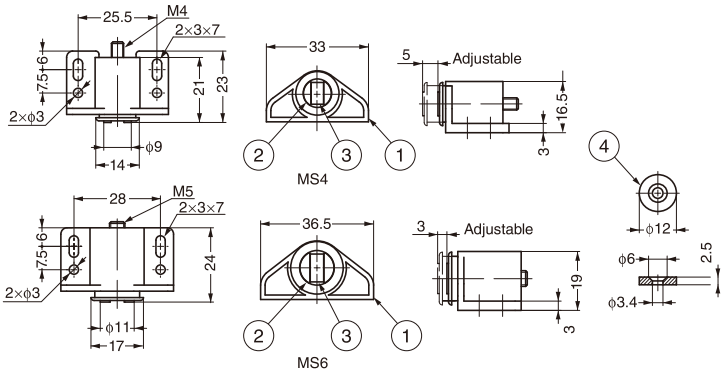
MAGNETIC CATCH MS

Latest Info



- Yoke position is adjustable

Parts Included
- Counter plate W4 (P.374)



No.	Material	Finish/Colour
①	Plastic	White, Brown
②	Steel (Yoke)	Plain
③	Ferrite	–
④	Steel	Yellow Zinc Chromate

Item Code	Item Name	Colour	A	P1	D1	D2	d	H	L	Magnetic Force N	Magnetic Force kgf	Weight	Carton
140-050-506	MS4WP	White	33	25.5	9	14	M4	16.5	6	23.5 N	2.4 kgf	11.7 g	1,000 pcs
140-050-507	MS4BRP	Brown	33	25.5	9	14	M4	16.5	6	23.5 N	2.4 kgf	11.7 g	1,000 pcs
140-050-508	MS6WP	White	36.5	28	11	17	M5	19	3	39.2 N	4 kgf	17.7 g	1,000 pcs
140-050-509	MS6BRP	Brown	36.5	28	11	17	M5	19	3	39.2 N	4 kgf	17.7 g	1,000 pcs

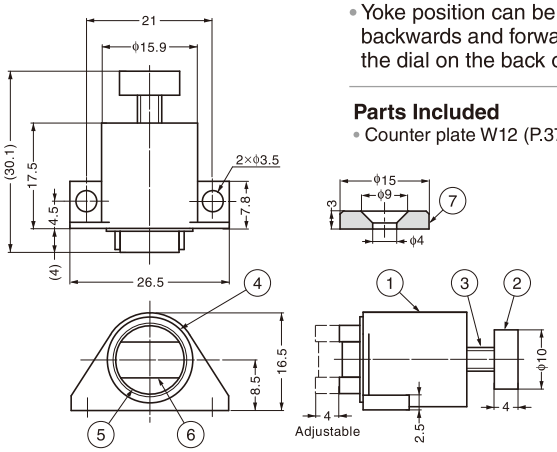
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

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LAMP. MAGNETIC CATCH MC-125

Latest Info





- Yoke position can be adjusted 4mm backwards and forwards by twisting the dial on the back of the body.

Parts Included

- Counter plate W12 (P.374)

No.	Part Name	Material	Finish/Colour
①	Body	ABS	White, Black
②	Knob	Brass	Nickel
③	Bolt	ABS	White, Black
④	Tube	Brass	Nickel
⑤	Yoke	Steel	Clear Zinc Chromate
⑥	Magnet	Ferrite	–
⑦	Counter Plate	Steel	Nickel

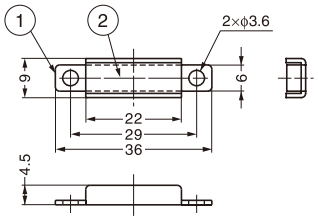
Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-021-954	MC-125WTP	White	24.5 N	2.5 kgf	14.5 g	20 pcs	1,000 pcs
140-021-955	MC-125BLP	Black	24.5 N	2.5 kgf	14.5 g	20 pcs	1,000 pcs

LAMP. MAGNETIC CATCH MC-YN003

Latest Info



- 4.5mm thin magnetic catch operates well even in tight spaces



No.	Part Name	Material	Finish
①	Body	Steel	Nickel
②	Magnet	Ferrite	–

Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-059-540	MC-YN003	16.6 N	1.7 kgf	5 g	500 pcs	2,500 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP MAGNETIC CATCH MC-YN005

Latest Info

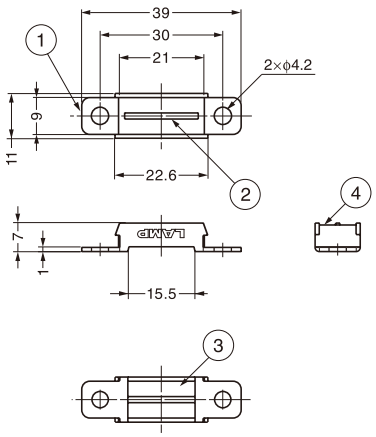


- Corrosion resistance.
- Thin magnetic catch ideal for tight spaces.
- Small body with strong magnetic force.

SUS

Remarks
- Max. temperature for neodymium magnet type: 80˚C

Sold Separately
- Counter plate (SUS) MC-JM49 (P.373)



No.	Part Name	Material		Finish	
		MC-YN005	MC-YN005-N	MC-YN005	MC-YN005-N
①	Yoke	Stainless Steel (SUS430)	Stainless Steel (SUS430)	Plain	Mirror
②	Yoke	Stainless Steel (SUS430)	Stainless Steel (SUS430)	Plain	Polished
③	Magnet	Ferrite	Neodymium	Plain	Nickel
④	Cover	Stainless Steel (SUS304)	Stainless Steel (SUS304)	Plain	Plain

Counter Plate (Sold Separately)

Item Code	Item Name	Page
140-050-149	MC-JM49	P.373

Body

Item Code	Item Name	Magnet	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-059-558	MC-YN005	Ferrite	29.4 N	3 kgf	9 g	200 pcs	1,000 pcs
140-026-512	MC-YN005-N	Neodymium	73.5 N	7.5 kgf	10 g	200 pcs	1,000 pcs

LAMP MAGNETIC CATCH MC-YN005HP

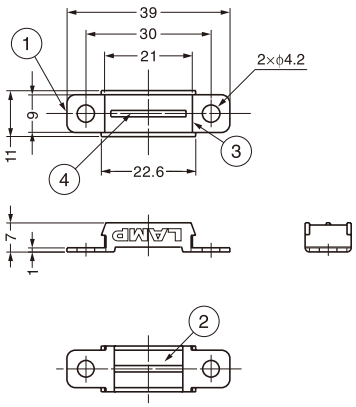
Latest Info



- Suitable for high temperature environments up to 250˚C.
- Corrosion resistance.
- Thin magnetic catch ideal for tight spaces.
- Small body with strong magnetic force.

SUS

Sold Separately
- Counter plate (SUS) MC-JM49 (P.373)



No.	Part Name	Material	Finish
①	Yoke	Stainless Steel (SUS430)	Mirror
②	Magnet	Samarium Cobalt	Plain
③	Cover	Stainless Steel (SUS304)	Plain
④	Yoke	Stainless Steel (SUS430)	Polished

Counter Plate (Sold Separately)

Item Code	Item Name	Page
140-050-149	MC-JM49	P.373

Body

Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-012-617	MC-YN005HP-20	20 N	2 kgf	11 g	200 pcs	1,000 pcs
140-012-625	MC-YN005HP-50	50 N	5.1 kgf	11 g	200 pcs	1,000 pcs

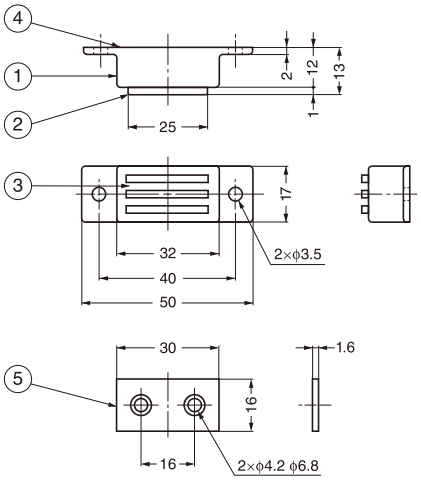
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP MAGNETIC CATCH MC0083

Latest Info



- Strong magnetic force.



No.	Part Name	Material	Finish
①	Body	Brass	Nickel
②	Yoke	Steel	Nickel
③	Magnet	Ferrite	—
④	Cover	Aluminium Alloy	Anodized
⑤	Counter Plate	Steel	Nickel

Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-058-068	MC0083	68.6 N	7.0 kgf	32 g	40 pcs	400 pcs

LAMP MAGNETIC CATCH MC0083HP

Latest Info

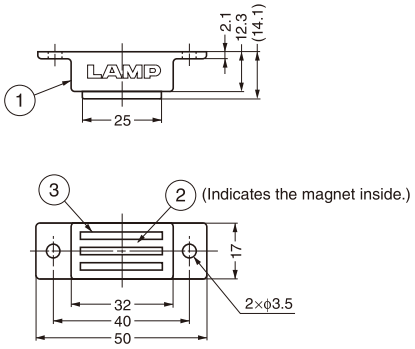


- Suitable for high temperature environments up to 250˚C. Small with strong magnetic force.
- Corrosion and heat resistance: both magnets and yokes are made of stainless steel.

SUS

Sold Separately

- Counter plate (SUS) AS-68 (P.374)



Body

Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-012-729	MC0083HP-70	70 N	7.1 kgf	40 g	40 pcs	400 pcs
140-012-613	MC0083HP-140	140 N	14.3 kgf	40 g	40 pcs	400 pcs

Counter Plate (Sold Separately)

Item Code	Item Name	Page
140-050-138	AS-68	P.374

No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Mirror
②	Magnet	Samarium Cobalt	Plain
③	Yoke	Stainless Steel (SUS430)	Mirror

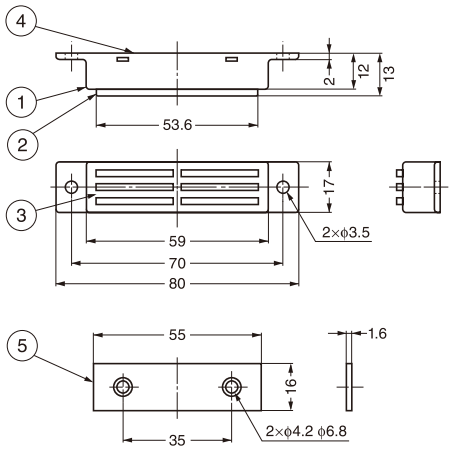
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP MAGNETIC CATCH MC0083D

Latest Info



- Strong magnetic force.



No.	Part Name	Material	Finish
①	Body	Brass	Nickel
②	Yoke	Steel	Nickel
③	Magnet	Ferrite	—
④	Cover	Aluminium Alloy	Anodized
⑤	Strike	Steel	Nickel

Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-058-067	MC0083D	98 N	10 kgf	63 g	20 pcs	200 pcs

LAMP MAGNETIC CATCH MC0083-N

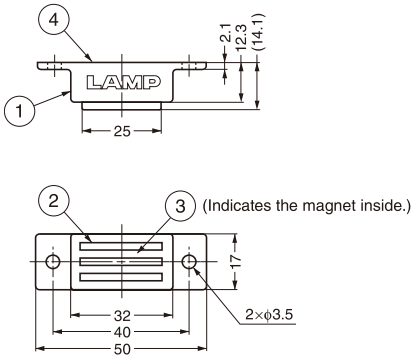
Latest Info



- Strong magnetic force.
- Similar item: MC0083HP (P.366)
- Suitable for kitchens and laboratory equipment

Remarks
- Max. temperature: 80˚C

Sold Separately
- Counter plate AS-68 (P.374)



No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Mirror
②	Yoke	Steel	Nickel
③	Magnet	Neodymium	Nickel
④	Cover	Stainless Steel (SUS304)	Plain

Counter Plate (Sold Separately)

Item Code	Item Name	Page
140-050-138	AS-68	P.374

Body

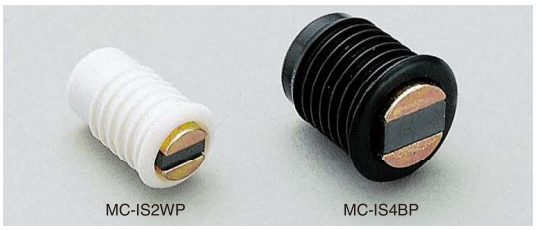
Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-026-513	MC0083-N	137 N	14 kgf	41 g	40 pcs	400 pcs

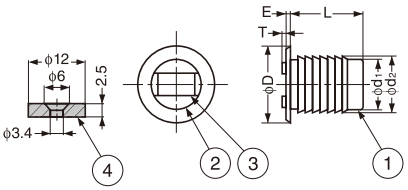
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MAGNETIC CATCH MC-IS

Latest Info





Parts Included

- Counter plate W4 (P.374)

No.	Part Name	Material	Finish/Colour
①	Body	IS2: Polyamide (PA) IS4: Polypropylene (PP)	White, Black
②	Yoke	Steel	Yellow Zinc Chromate
③	Magnet	Ferrite	–
④	Counter Plate	Steel	Yellow Zinc Chromate

Item Code	Item Name	Colour	D	L	E	T	d_1	d_2	Magnetic Force		Weight	Box	Carton
140-050-515	MC-IS2WP	White	10	13.8	1	0.7	8	8.6	9.8 N	1.0 kgf	4.7 g	200 pcs	5,000 pcs
140-050-516	MC-IS4WP	White	14	14	0.7	1.2	11	12	24.5 N	2.5 kgf	7.7 g	100 pcs	3,000 pcs
140-050-517	MC-IS2BP	Black	10	13.8	1	0.7	8	8.6	9.8 N	1.0 kgf	4.7 g	200 pcs	5,000 pcs
140-050-518	MC-IS4BP	Black	14	14	0.7	1.2	11	12	24.5 N	2.5 kgf	7.7 g	100 pcs	3,000 pcs

LAMP MAGNETIC CATCH MC-IS4F

Latest Info



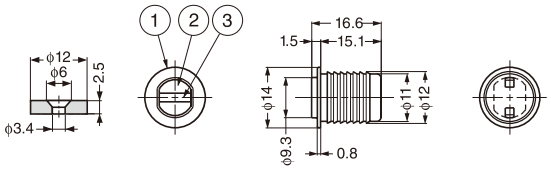
- Magnet can pivot, allowing for strong retaining force even if alignment is off.

Remarks

- Do not use glue.

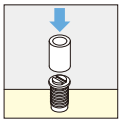
Parts Included

- Counter plate W4 (P.374)



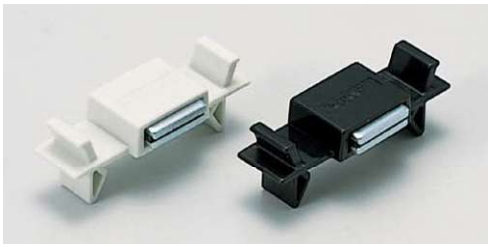
Item Code	Item Name	Colour	Magnetic Force		Weight	Box	Carton
140-050-519	MC-IS4FWTP	White	24.5 N	2.5 kgf	7.7 g	100 pcs	1,000 pcs
140-050-520	MC-IS4FBLP	Black	24.5 N	2.5 kgf	7.7 g	100 pcs	1,000 pcs

No.	Material	Finish/Colour
①	Polyamide (PA)	White, Black
②	Steel (Yoke)	Yellow Zinc Chromate
③	Ferrite	–



LAMP MAGNETIC CATCH (SNAP-IN TYPE) MC-YSW

Latest Info



- For use on sheet metal.
- Thin body works well in tight spaces.
- Easy to attach and detach.
- MC-YSW02 model: Powerful neodymium magnet.
- MC-YSW01 model : Less powerful ferrite magnet.

Remarks

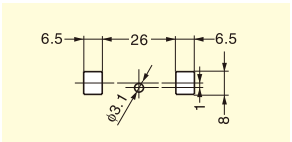
- Max. temperature for neodymium magnet: 80˚C

Sold Separately

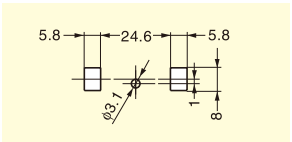
- Spacer: YS-P05

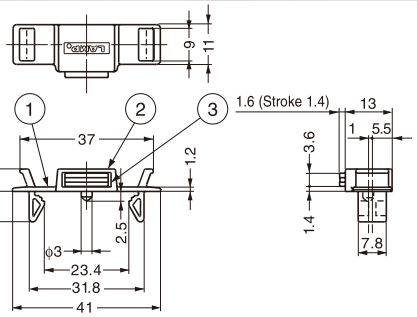
Cut Out Dimensions

For 1 mm door (Need YS-P05) and 1.6 mm door (No need YS-P05)



For 2 mm door (Need YS-P05) and 2.6 mm door (No need YS-P05)

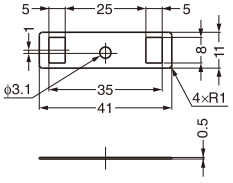




No.	Material		Finish/Colour	
	MC-YSW01	MC-YSW02	MC-YSW01	MC-YSW02
①	Polyacetal (POM)		White, Black	
②	Steel		Clear Zinc Chromate	Yellow Zinc Chromate
③	Ferrite	Neodymium	–	Nickel



Spacer: YS-P05



Body

Item Code	Item Name	Colour	Magnet	Magnetic Force		Weight	Box	Carton
140-050-001	MC-YSW01W	White	Ferrite	12 N	1.2 kgf	5 g	100 pcs	1,000 pcs
140-050-028	MC-YSW01B	Black	Ferrite	12 N	1.2 kgf	5 g	100 pcs	1,000 pcs
140-050-002	MC-YSW02W	White	Neodymium	29 N	3 kgf	5.5 g	100 pcs	1,000 pcs
140-050-029	MC-YSW02B	Black	Neodymium	29 N	3 kgf	5.5 g	100 pcs	1,000 pcs

Spacer (Sold Separately)

Item Code	Item Name	Material	Colour	Weight	Box
140-050-003	YS-P05	Polypropylene (PP)	Natural	0.16 g	1,000 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP MAGNETIC CATCH (SNAP-IN INSTALLATION) MC-FS34

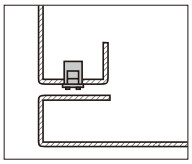
Latest Info



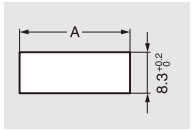
Remarks

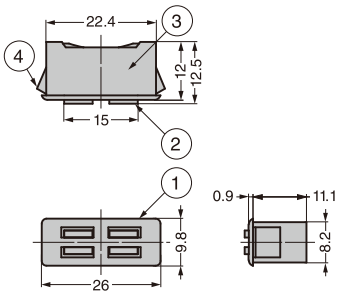
- Please read the warnings on the “Precautions for Use” (P.327).

Installation



Cut Out Dimensions





No.	Part Name	Material	Finish / Colour
①	Body	PA	White, Black, Grey
②	Yoke	Steel (SPCC)	Coloured Zinc Chromate (Trivalent)
③	Magnet	Ferrite	–
④	Spring	POM	White, Blue, Green

Bore Dimensions

Item Name	Door Thickness	A
MC-FS34 WW/GW	0.5	$22.6^{+0.15}_{0}$
	0.8	$23.7^{+0.15}_{0}$
MC-FS34 WB/BB/GB	1.0	$22.7^{\pm0.1}$
	1.2	$23.5^{\pm0.1}$
	1.4	$24.0^{\pm0.1}$
MC-FS34 WG/GG	1.6	$22.7^{\pm0.1}$
	2.0	$23.8^{\pm0.1}$

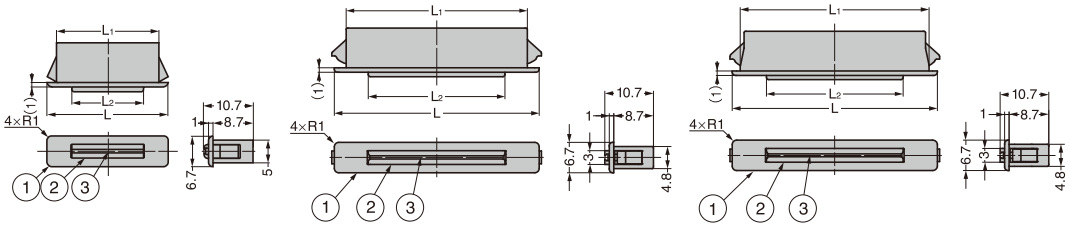
Item Code	Item Name	Body Colour	Spring Colour	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
140-033-951	MC-FS34WW	White	White	12.7	1.3	5.3	200	2000
140-033-952	MC-FS34GW	Grey		21.6	2.2		200	2000
140-033-953	MC-FS34WB	White	Blue	12.7	1.3		200	2000
140-033-954	MC-FS34BB	Black		21.6	2.2		200	2000
140-033-955	MC-FS34GB	Grey					200	2000
140-033-956	MC-FS34WG	White	Green	12.7	1.3		200	2000
140-033-957	MC-FS34GG	Grey		21.6	2.2		200	2000

LAMP MAGNETIC CATCH (SNAP-IN TYPE) MC-FS

Latest Info

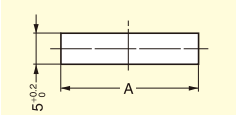


- Snap-in magnetic catch for sheet metal applications.
- Thin body for tight spaces.



MC-FS-2, MC-FS-4W　　MC-FS-4SW-0810　　MC-FS-4SW-12

Cut Out Dimensions



No.	Part Name	Material		Finish/Colour
①	Body	MC-FS-2, MC-FS-4W	MC-FS-4SW	White
		ABS	PA (POM)	
②	Yoke	Steel (SPCC)		Clear Zinc Chromate
③	Magnet	Ferrite, Neodymium		–

Bore Dimensions

Item Name	Door Thickness	A
MC-FS-2	0.8	$22.65^{+0.15}_{0}$
	1.0	$22.8^{+0.1}_{0}$
	1.2	$22.9^{+0.1}_{0}$
MC-FS-4W	0.8	$39.9^{+0.2}_{0}$
	1.0	$40.5^{+0.2}_{0}$
	1.2	$41.8^{+0.2}_{0}$
MC-FS-4SW-0810	0.8	$40.2^{+0.2}_{0}$
	1.0	$40.5^{+0.2}_{0}$
MC-FS-4SW-12	1.2	$41.8^{+0.2}_{0}$

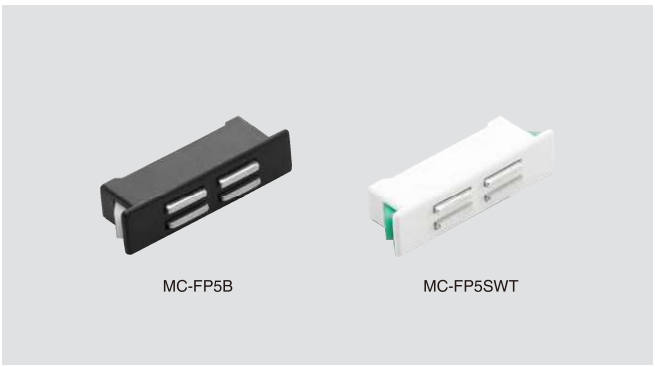
Item Code	Item Name	Material	L	L_1	L_2	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-013-016	MC-FS-2W	Ferrite	26.5	22.4	16	15 N	1.5 kgf	3.5 g	400 pcs	4,000 pcs
140-013-017	MC-FS-2SW	Neodymium	26.5	22.4	16	34 N	3.5 kgf	3.5 g	400 pcs	4,000 pcs
140-013-015	MC-FS-4W	Ferrite	45	39.6	30	25 N	2.5 kgf	5.8 g	200 pcs	2,000 pcs
140-046-402	MC-FS-4SW-0810	Neodymium	45	39.8	30	69 N	7 kgf	6.7 g	200 pcs	2,000 pcs
140-046-403	MC-FS-4SW-12	Neodymium	45	39.8	30	69 N	7 kgf	6.7 g	200 pcs	2,000 pcs

*The MC-FS-4SW-0810 and MC-FS-4SW-12 are new models for the MC-FS-4SW.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP MAGNETIC CATCH (SNAP-IN TYPE) MC-FP5

Latest Info

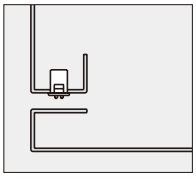


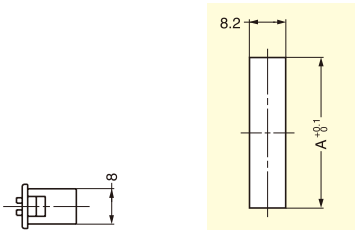
- Compact size with strong magnetic force.

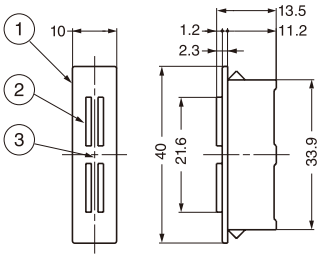
Remarks
- Max. temperature: 80˚C

Sold Separately
- Counter plate (SUS): MC-JM49 (P.373)
- Counter plate SP0207 (P.374)

Installation







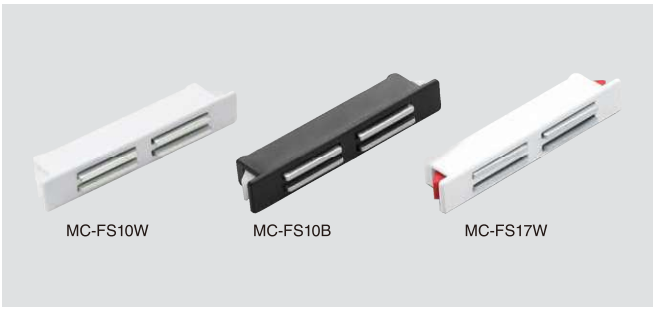
Door Thickness	A
0.8	34.1
1	34.1
1.2	34.5
1.4	34.5
1.6	35
1.8	35.5
2	36.5

No.	Part Name	Material	Finish/Colour
①	Body	ABS	White/Black
②	Yoke	Steel	Yellow Zinc Chromate
③	Magnet	Neodymium	–

Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-050-086	MC-FP5W	White	21.6 N	2.2 kgf	9 g	200 pcs	2,000 pcs
140-050-087	MC-FP5B	Black	21.6 N	2.2 kgf	9 g	200 pcs	2,000 pcs
140-050-268	MC-FP5SWT	White	44.1 N	4.5 kgf	9 g	200 pcs	2,000 pcs
140-050-269	MC-FP5SBL	Black	44.1 N	4.5 kgf	9 g	200 pcs	2,000 pcs

LAMP MAGNETIC CATCH (SNAP-IN TYPE) MC-FB10, MC-FS10, MC-FS17W

MC-FB10 MC-FS10 MC-FS17

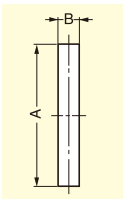


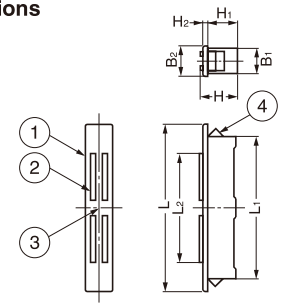
- Snap-in magnetic catch for sheet metal applications.



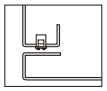
MC-FS10W / MC-FS10B : The shape of the spring will change when the current stock is run out.

Cut Out Dimensions





Installation



Door Thickness	MC-FS10 / MC-FS17W		MC-FB10	
	A	B	A	B
0.5	–	–	54.9	10
0.8	55	8.2	–	–
1.0	55	8.2	56.1	10
1.2	55.5	8.2	–	–
1.6	56	8.2	57.5	10
2.0	56.5	8.2	58.5	10

No.	Part Name	Material	Finish/Colour
①	Body	ABS	White, Black
②	Yoke	Steel	Yellow Zinc Chromate, Clear Zinc Chromate (MC-FB10)
③	Magnet	Ferrite	-
④	Spring	Polyacetal (POM)	Natural, White (MC-FS10, MC-FB10)

Item Code	Item Name	Colour	L	L_1	L_2	B_2	B_1	H	H_1	H_2	Magnetic Force		Weight	Box	Carton
140-050-293	MC-FS10W	White	64	54.5	43	10	8	14	11.5	1.5	44.1 N	4.5 kgf	20 g	50 pcs	1,000 pcs
140-055-099	*MC-FB10	White	64	54.5	43	10.5	9.7	14	11.5	1.5	54.9 N	5.6 kgf	25 g	500 pcs	–
140-050-294	MC-FS10B	Black	64	54.5	43	10	8	14	11.5	1.5	44.1 N	4.5 kgf	20 g	50 pcs	1,000 pcs
140-050-334	MC-FS17W	White	64	54.5	43	10	8	14	11.5	1.5	58.8 N	6 kgf	17.8 g	50 pcs	1,000 pcs

*Limited inventory, contact sales associate for details.

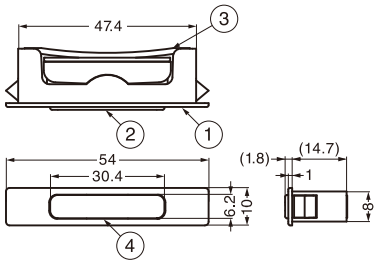
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP MAGNETIC CATCH (SNAP-IN TYPE) MC-JMF54

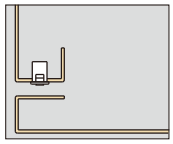
Latest Info



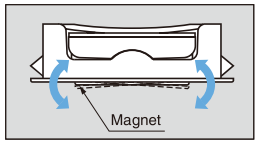




Installation



Movement of Magnet

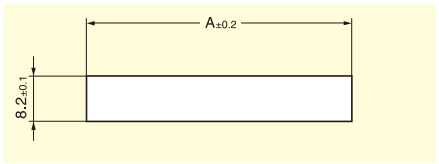


- Hermetically sealed magnet with high corrosion resistance.
- Protects against the spread of miniature metal particles due to contact.
- Design also reduces noise from contact.
- Easy snap-in installation on pre-processed holes in sheet metal.
- Magnet can pivot, allowing for strong retaining force even if alignment is off.
- Powerful neodymium magnet.

Remarks
- Max. temperature: 80˚C

Sold Separately
- Counter plate MC-JMP45 (P.373), AS-68, MC-JM49 (P.373)

Cut Out Dimensions



Door Thickness	A
0.7	48
0.8	48
1.0	48
1.2	48
1.6	49
2.0	50

No.	Part Name	Material	Finish/Colour
①	Body	Polypropylene (PP)	Black/White
②	Body	Polypropylene (PP)	Black/White
③	Spring	Polyacetal (POM)	White
④	Magnet	Neodymium	Nickel

Body

Item Code	Item Name	Colour	Magnetic Force		Weight	Box
140-026-601	MC-JMF54BL	Black	25 N	2.6 kgf	13 g	100 pcs
140-026-602	MC-JMF54WT	White	25 N	2.6 kgf	13 g	100 pcs

Counter Plate (Sold Separately)

Item Code	Item Name	Page
140-050-122	MC-JMP45WT	P.373
140-029-241	MC-JMP45BL	P.373
140-050-138	AS-68	P.374
140-050-149	MC-JM49	P.373

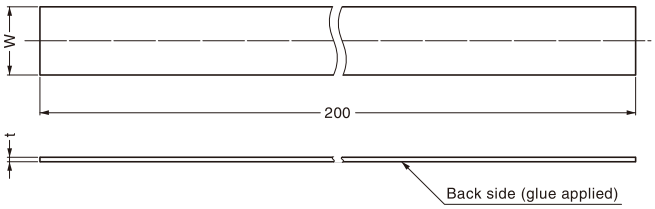
MAGNETIC RUBBER SHEET NMS

Latest Info



- Easy to cut length by scissors or a cutter.
- Easy to apply with glue.
- Ultra thin but strong magnetic force by using neodymium magnet.
- Weaker magnetic type (KMS) available. Please contact with customer service.

Remarks
- Don't use outside.
- Max. temperature: 80˚C

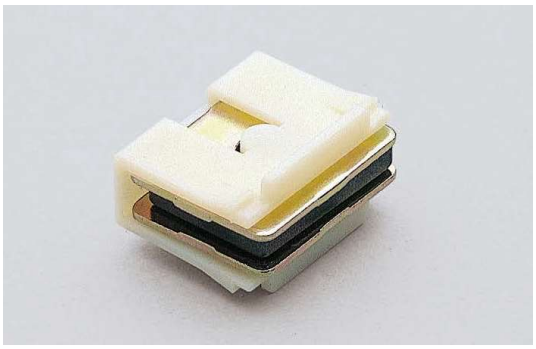


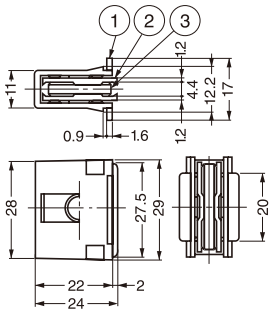
Item Code	Item Name	Material	W	t	Magnetic Force N/cm²	Magnetic Force kgf/cm²	Weight	Carton
140-021-209	NMS-1-200	Nitrile Rubber (NBR) / Neodymium	12.7	0.8	3.8 N/cm²	0.39 kgf/cm²	10 g	500 pcs
140-021-210	NMS-2-200		19.1	0.8	3.8 N/cm²	0.39 kgf/cm²	16 g	500 pcs
140-021-211	NMS-3-200		25.4	0.8	3.8 N/cm²	0.39 kgf/cm²	21 g	500 pcs
140-021-212	NMS-4-200		12.7	1.5	5.4 N/cm²	0.55 kgf/cm²	19 g	500 pcs
140-021-213	NMS-5-200		19.1	1.5	5.4 N/cm²	0.55 kgf/cm²	30 g	250 pcs
140-021-214	NMS-6-200		25.4	1.5	5.4 N/cm²	0.55 kgf/cm²	39 g	250 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. MAGNETIC CATCH (SNAP-IN TYPE) MC-SS30

Latest Info

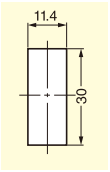




- Snap-in magnetic catch for sheet metal applications. Panel thickness: 0.8 mm

Sold Separately
- Counter plate (SUS) MC-JM49 (P.373)

Cut Out Dimensions



Body

Item Code	Item Name	Door Thickness	Magnetic Force N	Magnetic Force kgf	Weight	Box	Carton
140-050-036	MC-SS30	0.8	29.4 N	3 kgf	22 g	60 pcs	600 pcs

No.	Material	Finish/Colour
①	ABS	Ivory
②	Steel (Yoke)	Yellow Zinc Chromate
③	Ferrite	–

Counter Plate (Sold Separately)

Item Code	Item Name
140-050-149	MC-JM49

LAMP. ULTRA-THIN SEALED COUNTER PLATE MC-JMP38 NEW

Latest Info



MC-JMP38WT



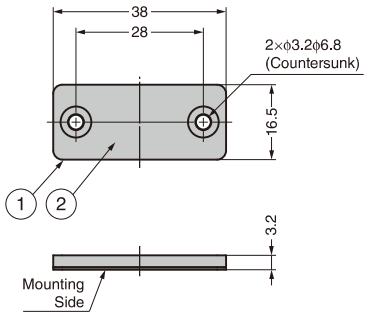
MC-JMP38BL

- For resin coated magnetic catches.
- The receiver is encased in resin, providing excellent rust, dust, and flame resistance.
- Completely sealed, making it ideal for high-corrosion environments such as kitchens and bathrooms.
- Thickness is only 3.2 mm.

Applications
- Washing machine, kitchen equipment.

Remarks
- Do not use in contact with steam, hot water and water. And do not leave strongly acidic or basic detergents.
- Coated with resin may decrease the magnetic force of the magnetic catch used together. Please check with actual item.
- Recommended tightening torque: Max. 31.5 N·cm (3.2 kgf·cm)

Recommended Screw
- Countersunk head screw



No.	Part Name	Material	Finish/Colour
①	Body	Polypropylene (PP)	White, Black
②	Plate	Steel (SPCC)	Clear Zinc Chromate (Trivalent)

Item Code	Item Name	Colour	Weight (g)	Box (pcs)	Carton (pcs)
140-055-402	MC-JMP38WT	White	3.0	200	1000
140-055-403	MC-JMP38BL	Black			

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. SEALED COUNTER PLATE MC-JMP45

Latest Info



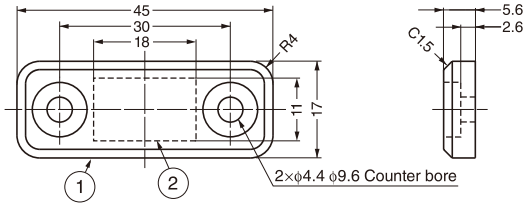
- Magnetic catch hermetically sealed in resin.
- High rust resistance, dust intrusion proof and prevents metal on metal contact.
- Great solution for kitchens, bathing and shower areas.

Recommended Screw

- Tapping screw nominal 4 (truss or binding head, made of stainless steel), M4 screw (made of stainless steel).

Optional Magnetic Catch Examples:

- Rubber sealed: MC-MS50 (P.353)
- Ultra thin: MC-YN015S (P.348), MC-YN001 (P.348), MC-158,159 (P.351)
- Plastic sealed: MC-JM45 (P.354), MC-JM50 (P.362), MC-JM63G (P.356)



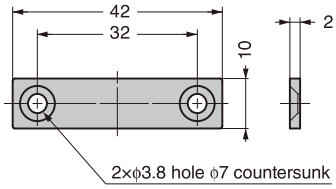
No.	Part Name	Material
①	Body	Polypropylene (PP)
②	Plate	Steel

Item Code	Item Name	Colour	Weight	Box	Carton
140-050-122	MC-JMP45WT	White	7.3 g	100 pcs	1,000 pcs
140-029-241	MC-JMP45BL	Black	7.3 g	100 pcs	1,000 pcs

LAMP. STAINLESS STEEL COUNTER PLATE MC-JM42 NEW

Latest Info





- A counter plate for magnetic catches.
- Made of stainless steel for high corrosion resistance.

SUS

Remarks

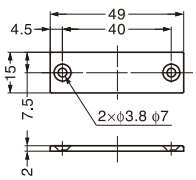
- Be sure to read the “Precautions for Use” (P.327).

Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)	Carton (pcs)
140-053-126	MC-JM42	Stainless Steel (SUS430)	Barrel Polished	5.3	100	2,000

LAMP. STAINLESS STEEL COUNTER PLATE MC-JM49

Latest Info





- Plate for MC-JM magnetic catches.
- High corrosion resistance.

SUS

Item Code	Item Name	Material	Finish	Weight	Box	Carton
140-050-149	MC-JM49	Stainless Steel (304 Equivalent)	Polished	10 g	100 pcs	1,000 pcs

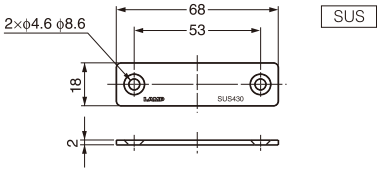
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

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KNUCKLE/ TENSION CATCHES
PUSH KNOB LATCHES
LEVER LATCHES
DRAW LATCHES
SLIDE/ BARREL BOLTS

LAMP STAINLESS STEEL COUNTER PLATE AS-68

Latest Info



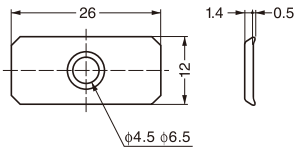


Item Code	Item Name	Material	Finish	Weight	Box	Carton
140-050-138	AS-68	Stainless Steel (SUS430)	Mirror	17 g	100 pcs	1,000 pcs

COUNTER PLATE SP0207

Latest Info





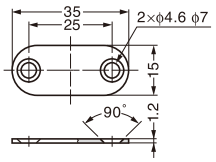
- Plate for TC-42, MC-FP5S magnetic catches.

Item Code	Item Name	Material	Finish	Weight	Carton
140-050-323	SP0207	Steel	Clear Zinc Chromate	3.1 g	5,000 pcs

LAMP COUNTER PLATE MC-YN001U

Latest Info



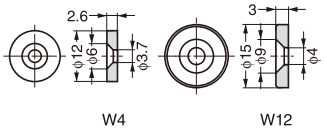


Item Code	Item Name	Material	Finish	Weight	Carton
140-059-555	MC-YN001U	Steel	Nickel	4 g	5,000 pcs
140-038-025	MC-YN001U-BL	Steel (SPCC)	Copper Plating (Black)	4 g	5,000 pcs

COUNTER PLATE W

Latest Info



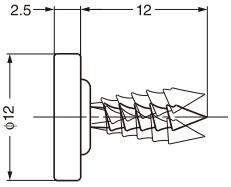


Item Code	Item Name	Material	Finish	Weight	Box	Carton
140-050-051	W4	Steel	Yellow Zinc Chromate	1.7 g	1,000 pcs	10,000 pcs
140-050-113	W12	Steel	Nickel	3.3 g	600 pcs	3,000 pcs

COUNTER PLATE Z4

Latest Info



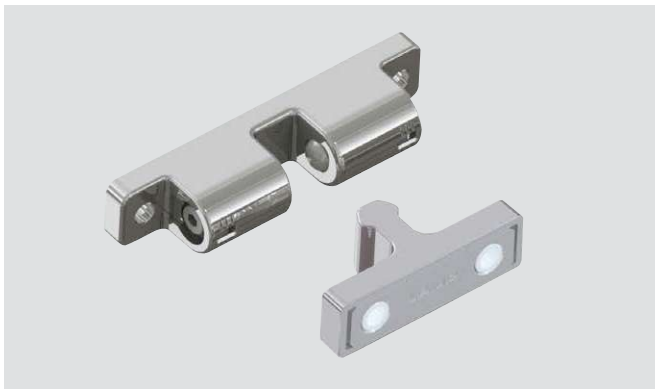


Item Code	Item Name	Material	Finish	Weight	Box	Carton
140-050-110	Z4	Steel	Nickel	2 g	1,000 pcs	4,000 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP TENSION CATCH Strong Force / Force Adjustable BCTS-85J

Latest Info



- Can retain ball from top or sides allowing for different types of installations.
- The force is adjustable.
- The plate can slide 1.5 mm to align properly with the body.

SUS316

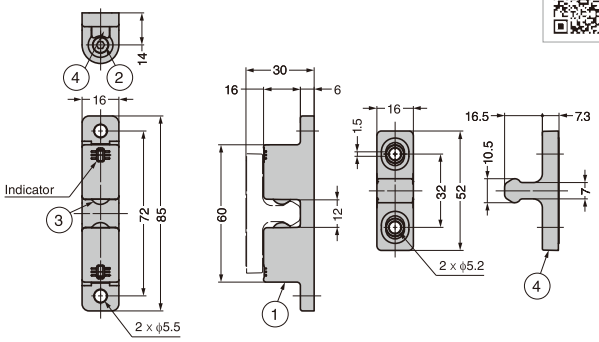
Remarks

- The pushing and pulling force vary. Test the actual product before use.
- The force can be adjusted with a hex bar spanner (nominal 3).
- When adjusting the force, check the indicator and adjust until the left and right screws are level.

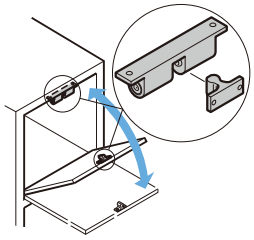
Recommended Screw

- Size M5 cross-recessed binding screws

Feature



Application Example



Can also retain ball from sides.

Self Alignment



Slides 1.5 mm to align properly.

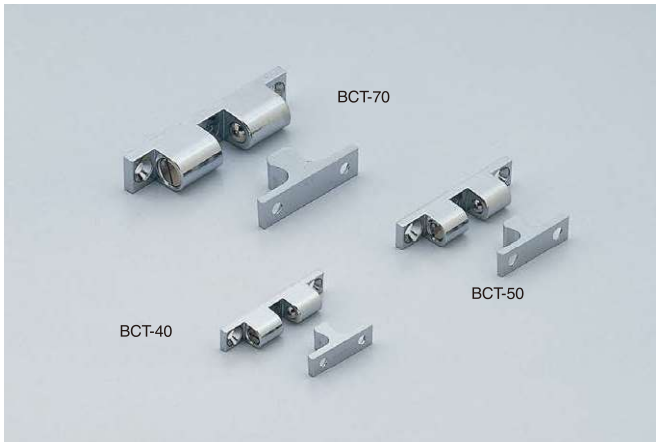
No.	Part Name	Material	Finish
①	Body	Stainless Steel (SCS14)	Barrel Polished
②	Adjustment Screw	Stainless Steel (SUS316)	Plain
③	Ball		
④	Counter Plate	Stainless Steel (SCS14)	Barrel Polished
–	Compression Coil Springs	Stainless Steel (SUS631-WPC)	Plain

*SCS14 is a cast steel material similar to SUS316.

Item Code	Item Name	Pulling Force		Pushing Force		Weight (g)
		N	kgf	N	kgf	
140–043-510	BCTS-85J	8 - 82	0.8 - 8.4	8 - 77	0.8 - 7.9	168

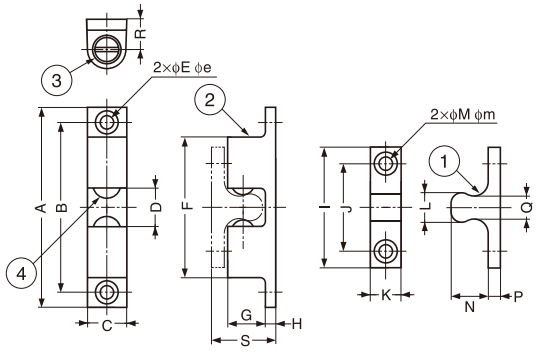
TENSION CATCH BCT

Latest Info



- Can be installed vertically or horizontally.

TEST METHOD 10



No.	Part Name	Material	Finish
①	Counter Plate	Zinc Alloy (ZDC)	Chrome
②	Body	Zinc Alloy (ZDC)	Chrome
③	Cover	Brass	Nickel
④	Ball	Steel	Polished
-	Spring	Steel	Plain

Item Code	Item Name	Push-in Force N	Push-in Force kgf	Pulling Force N	Pulling Force kgf	Weight	Box	Carton
140-050-108	BCT-40	43.1 N	4.4 kgf	29.4 N	3.0 kgf	16 g	100 pcs	400 pcs
140-050-107	BCT-50	40.2 N	4.1 kgf	32.3 N	3.3 kgf	26 g	100 pcs	400 pcs
140-050-106	BCT-70	45.1 N	4.6 kgf	34.3 N	3.5 kgf	70 g	50 pcs	200 pcs

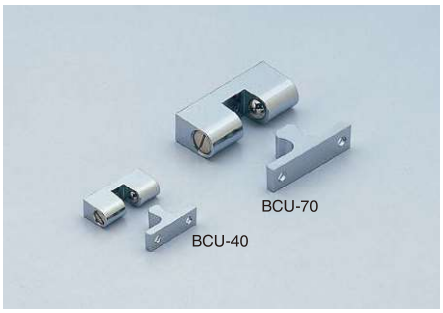
Item Name	A	B	C	D	E	e	F	G	H	I	J	K	L	M	m	N	P	Q	R	S
BCT-40	42.5	35	8	6.3	3.2	6.2	26.7	7.5	2.5	25	16	7.5	5.5	3.2	6.2	8.8	2.5	3.7	6.25	13.8
BCT-50	50	40	10	8.4	4.2	8.2	29.8	9.5	3	30	20	9	7.3	4.5	8.2	9.8	2.5	4.7	7.75	15.3
BCT-70	70	60	13.5	12	4.2	8.2	49	13	4	42	30	10.5	11	4.2	8.2	14.2	3	8.2	10.5	21.2

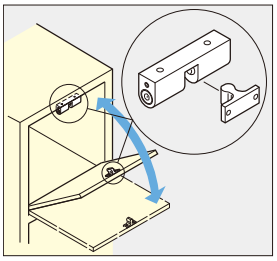
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TENSION CATCH BCU

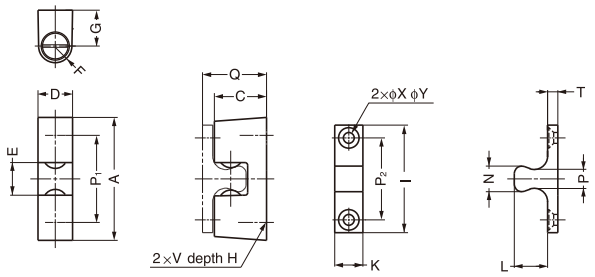
Latest Info





- Can be installed vertically or horizontally.

TEST METHOD 10

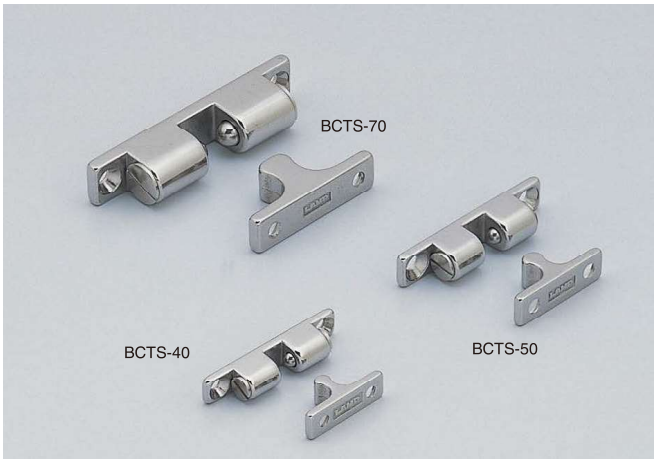


Item Code	Item Name	Push-in Force		Pulling Force		Material	Finish	Weight	Box	Carton
140-050-103	BCU-40	35.3 N	3.6 kgf	23.5 N	2.4 kgf	Zinc Alloy (ZDC)	Chrome	18 g	100 pcs	400 pcs
140-050-104	BCU-70	40.2 N	4.1 kgf	38.2 N	3.9 kgf	Zinc Alloy (ZDC)	Chrome	75 g	50 pcs	200 pcs

Item Name	A	P_1	C	D	E	F	G	H	I	P_2	K	L	N	P	T	X	Y	Q	V
BCU-40	28.5	20	12.5	8.3	6.5	R4	8.5	5	25	16	7.5	8.8	5.5	3.7	3	3.2	6.4	15.7	M3
BCU-70	48	34	20.5	13.5	12.7	R6.5	14	6	42	32	11	13	10	7.3	4	4.2	8.4	24.9	M5

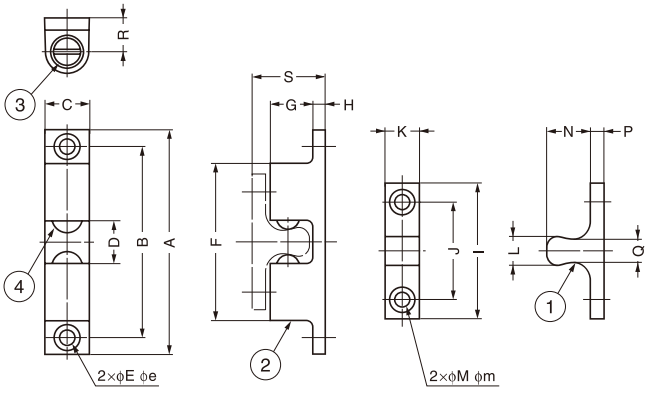
LAMP TENSION CATCH BCTS

Latest Info



- Can be installed vertically or horizontally.
- High corrosion resistance due to SUS316 and SCS14.

TEST METHOD 10 SUS316



Item Code	Item Name	Push-in Force		Pulling Force		Weight	Box	Carton
140-050-242	BCTS-40	20 N	2 kgf	13 N	1.3 kgf	18 g	50 pcs	500 pcs
140-050-241	BCTS-50	23 N	2.3 kgf	18 N	1.8 kgf	30 g	50 pcs	500 pcs
140-050-240	BCTS-70	56 N	5.7 kgf	38 N	3.9 kgf	83 g	25 pcs	250 pcs

No.	Part Name	Material	Finish
①	Counter Plate	Stainless Steel (SCS14)	Polished
②	Body		
③	Cover	Stainless Steel (SUS316)	Plain
④	Ball		Mirror
–	Spring	Stainless Steel (SUS304)	Plain

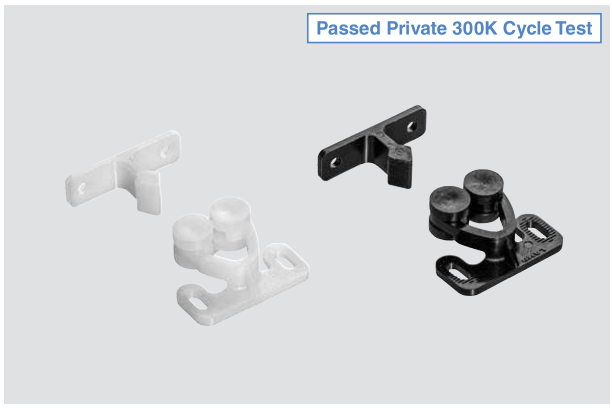
*SCS14 is equivalent of SUS316.

Item Name	A	B	C	D	E	e	F	G	H	I	J	K	L	M	m	N	P	Q	R	S
BCTS-40	43	35	8	5.9	3.2	6.2	28.4	7.5	2.5	25	16	7.5	4.5	3.2	6.2	8.5	2.5	2.7	6	13.5
BCTS-50	50	40	10	7.5	4.2	8.2	31.5	9.3	2.9	30	20	9	6	4.2	8.2	10.3	2.9	3.8	7.2	16.1
BCTS-70	70	60	13	13	4.2	8.2	51	13	4	42	30	10.5	10	4.2	8.2	15	4	8	10.5	23

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LAMP ROTARY CATCH RC6900, RC6901

Latest Info

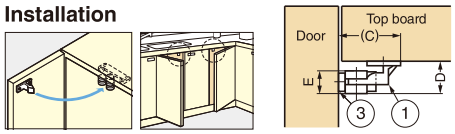


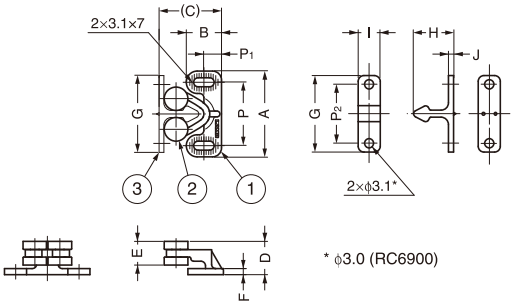
- Resin body prevents rusting
- Strong retaining force.
- Can be used on both overlay and inset doors.
- RC6901 is also available in brown

TEST METHOD 10

Recommended Screw
- Binding head tapping screw nominal 3

Installation





* φ3.0 (RC6900)

Item Name	Push-in Force N	Push-in Force kgf	Pulling Force N	Pulling Force kgf
RC6900	11 N	1.1 kgf	16 N	1.6 kgf
RC6901	24 N	2.4 kgf	29 N	3.0 kgf
RC6901BL	19 N	1.9 kgf	25 N	2.6 kgf

No.	Material	Colour
①	Polyacetal (POM)	Natural/Black
②	Polyethylene (PE)	Natural/Black
③	Polyacetal (POM)	Natural/Black

Item Code	Item Name	Colour	A	B	C	D	E	F	P	P_1	G	H	I	J	P_2	Weight	Box	Carton
140-050-209	RC6900	Natural	29	12	21.2	11.3	8	2	21.5	6	26	13.5	7.5	1.7	20	3 g	100 pcs	2,000 pcs
140-051-015	RC6901	Natural	31.3	14	27.2	12.6	9	2.3	24.4	7.5	32	16.5	9	2	23.6	4 g	100 pcs	2,000 pcs
140-042-155	RC6901BL	Black	31.3	14	27.2	12.6	9	2.3	24.4	7.5	32	16.5	9	2	23.6	4 g	100 pcs	2,000 pcs

LAMP ROTARY CATCH (MORTISE TYPE) RCU

Latest Info

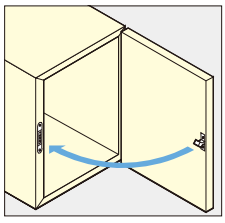


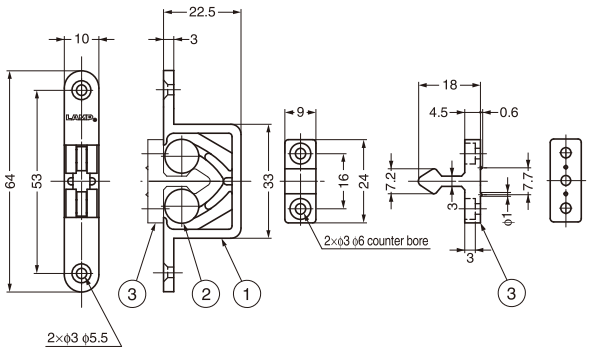
- For overlay doors.
- Great solution for furniture, kitchen appliances, general purpose kitchen items and in marine applications.

TEST METHOD 10

Recommended Screw
- Counter head wood screw nominal 2.7

Installation





No.	Material	Colour
①	Polyacetal (POM)	Natural
②	Polyethylene (PE)	Natural
③	Polyacetal (POM)	Natural

Item Code	Item Name	Push-in Force N	Push-in Force kgf	Pulling Force N	Pulling Force kgf	Weight	Box	Carton
140-051-014	RCU	27 N	2.8 kgf	32 N	3.3 kgf	8 g	100 pcs	800 pcs

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SLIDE/ BARREL BOLTS

LAMP. KNUCKLE CATCH JC-24, JC-26

Latest Info



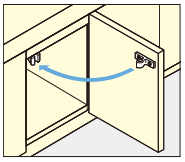
- Can be used on both overlay and inset doors.
- Great solution for furniture, kitchen appliances, general purpose kitchen items and in marine applications.

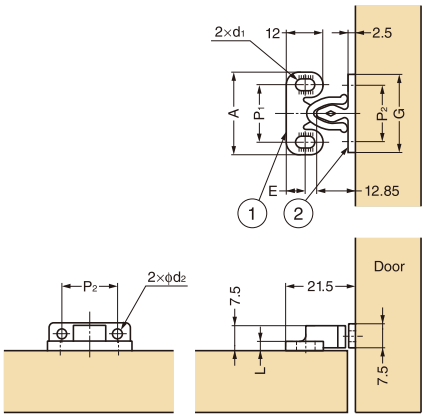
TEST METHOD 10

Remarks
- The push-in and pulling force may vary for ±20 - 30%.
- Please check with the actual item.

Recommended Screw
- JC-24: Round head wood screw nominal 2.4
- JC-26: Binding head tapping screw nominal 3

Installation



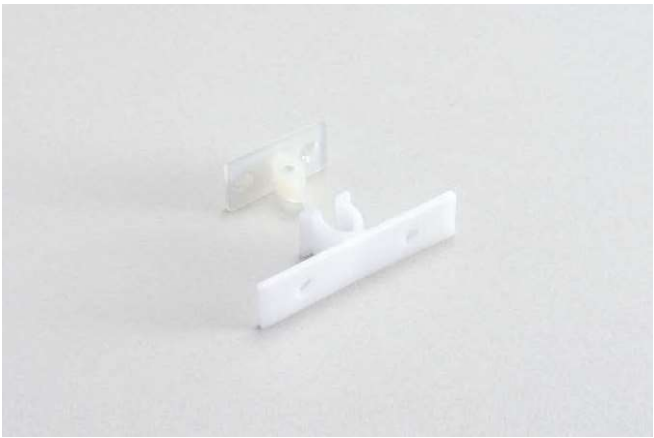


No.	Part Name	Material	Colour
①	Body	Polyacetal (POM)	Natural/Black (JC-24B)
②	Counter Plate	Polyamide (PA)	Natural/Black (JC-24B)

Item Code	Item Name	A	P1	E	G	P2	L	d1	d2	Push-in Force		Pulling Force		Weight	Box	Carton
140-050-046	JC-24	24	17	7	22	15.7	2	2.5×5.5	2.5	28 N	2.9 kgf	23 N	2.3 kgf	1.5 g	100 pcs	2,000 pcs
140-916-119	JC-24B	24	17	7	22	15.7	2	2.5×5.5	2.5	25 N	2.6 kgf	21 N	2.1 kgf	1.5 g	100 pcs	2,000 pcs
140-051-018	JC-26	26	18	6	24.5	17	2.5	3.3×6	3.3	17 N	1.7 kgf	13 N	1.3 kgf	2 g	100 pcs	5,000 pcs

LAMP. KNUCKLE CATCH JC-T50

Latest Info

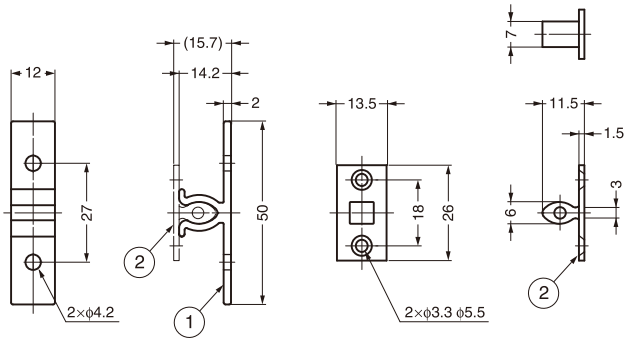


- Resin body prevents rusting.
- Can be used on both overlay and inset doors.
- Can be used on doors, drawers and a variety of different applications.
- Great solution for furniture, kitchen appliances, general purpose kitchen items and in marine applications.

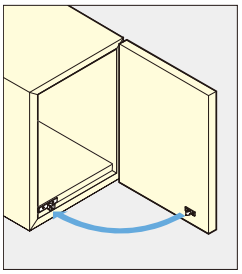
TEST METHOD 10 SCREW

Parts Included
- Countersunk head tapping wood screw 2.7×16 (for male installation)
- Binding head screw 4×16 (for female screw)

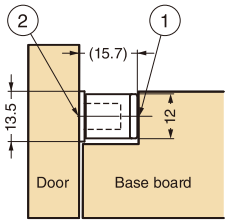
Remarks
- The Push - in Force and Pulling Force display initial valuse.



Installation



Application Reference



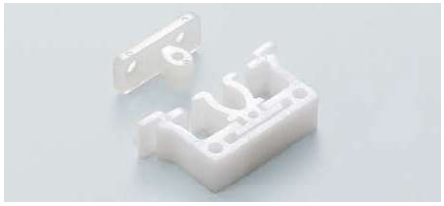
No.	Part Name	Material	Colour
①	Body	Polyacetal (POM)	Natural
②	Counter Plate	Polyamide (PA)	Natural

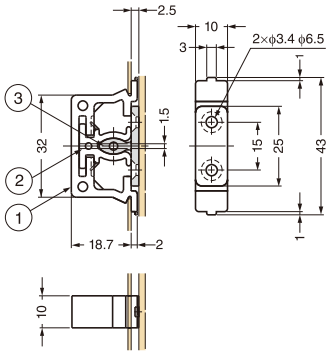
Item Code	Item Name	Push-in Force N	Push-in Force kgf	Pulling Force N	Pulling Force kgf	Weight	Box	Carton
140-019-545	JC-T50	19 N	1.9 kgf	20 N	2.0 kgf	3 g	50 pcs	500 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP KNUCKLE CATCH (MORTISE TYPE) JCU-F

Latest Info





- Body can be installed by a one touch snap-in installation.
- Catch can slide within a 1.5mm area, absorbing small misalignments with the strike.

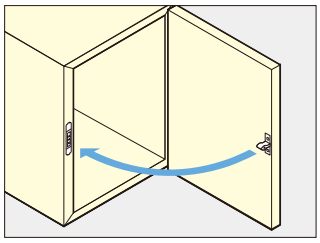
TEST METHOD 10

Recommended Screw

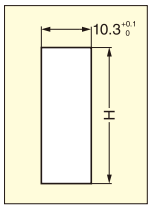
- Countersunk tapping screw nominal 3, Countersunk screw M3

Feature

Installation



Cut Out Dimensions



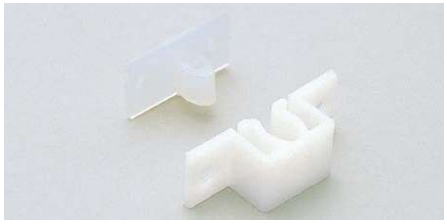
Door Thickness	Height H
0.8	32.3
1.0	32.9
1.2	33.8

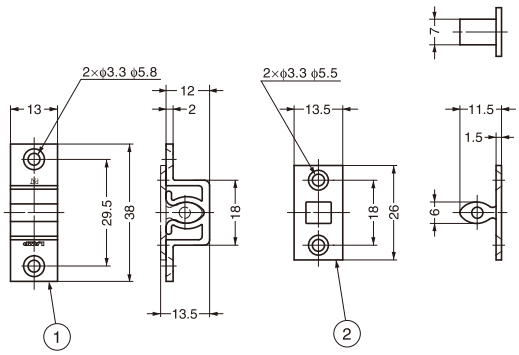
No.	Material	Colour
①	Polyacetal (POM)	Natural
②	Polyacetal (POM)	Natural
③	Polyamide (PA)	Natural

Item Code	Item Name	Push-in Force N	Push-in Force kgf	Pulling Force N	Pulling Force kgf	Weight	Box	Carton
140-051-112	JCU-F	25 N	2.6 kgf	26 N	2.7 kgf	5.2 g	40 pcs	800 pcs

LAMP KNUCKLE CATCH (MORTISE TYPE) JCU

Latest Info





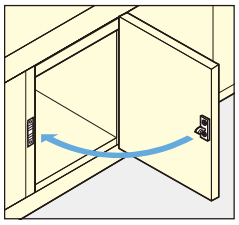
- For overlay doors.

TEST METHOD 10 SCREW

Screw Included

- Counter head wood screw 2.7×16

Installation



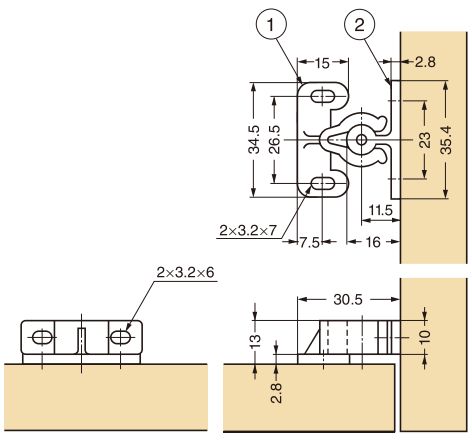
No.	Part Name	Material	Colour
①	Body	Polyacetal (POM)	Natural
②	Counter Plate	Polyamide (PA)	Natural

Item Code	Item Name	Push-in Force N	Push-in Force kgf	Pulling Force N	Pulling Force kgf	Weight	Box	Carton
140-051-020	JCU	18 N	1.8 kgf	17 N	1.7 kgf	3.5 g	50 pcs	1,000 pcs

LAMP KNUCKLE CATCH NAC

Latest Info





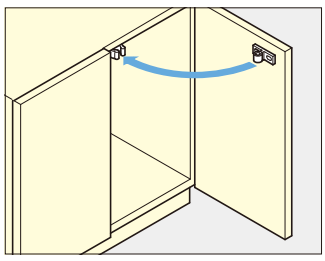
- Powerful retaining force suitable for use on larger doors.
- Simple structure is highly durable.
- Can be used on both overlay and inset doors.

TEST METHOD 10

Remarks

- The push-in and pulling force may vary for ±20-30%.
- Please check with the actual item.

Installation



No.	Part Name	Material	Colour
①	Body	Polyacetal (POM)	Natural
②	Counter Plate	Polyamide (PA)	Natural

Item Code	Item Name	Push-in Force N	Push-in Force kgf	Pulling Force N	Pulling Force kgf	Weight	Box	Carton
140-051-013	NAC	58 N	5.9 kgf	69 N	7.0 kgf	4.5 g	100 pcs	1,000 pcs

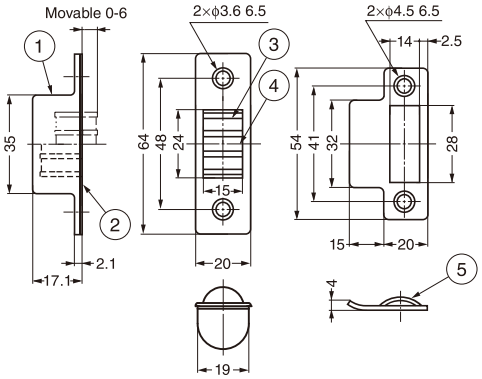
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. MAGNETIC ROLLER CATCH (FOR INSET DOOR) DER

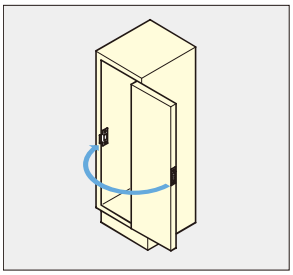
Latest Info



- Magnetic roller provides smoother opening and closing.
- For inset doors.



Installation

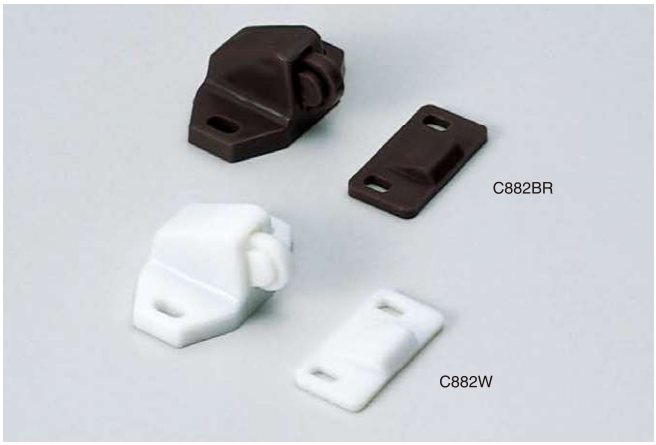


No.	Part Name	Material	Finish/Colour
①	Body	ABS	Brown
②	Cover	Stainless Steel	–
③	Yoke	Steel	Nickel
④	Magnet	Ferrite	–
⑤	Counter Plate	Steel	Chrome

Item Code	Item Name	Weight	Box	Carton
140-051-040	DER	48 g	24 pcs	240 pcs

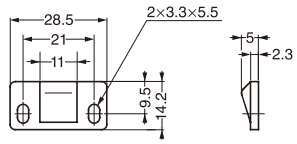
ROLLER CATCH C882

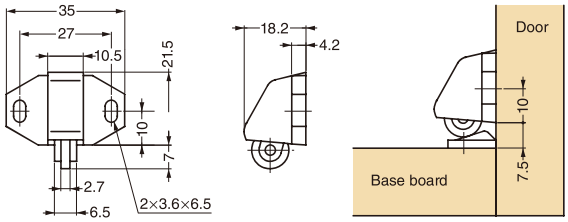
Latest Info



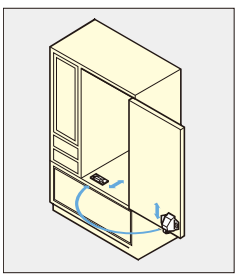
- The catch pulls the door in for a tighter close.

Remarks
- Please note the direction of counter plate.





Installation



Item Code	Item Name	Material	Colour	Weight	Box	Carton
140-050-203	C882W	Polyethylene (PE)	White	5 g	150 pcs	1,800 pcs
140-050-204	C882BR	Polyethylene (PE)	Brown	5 g	150 pcs	1,800 pcs

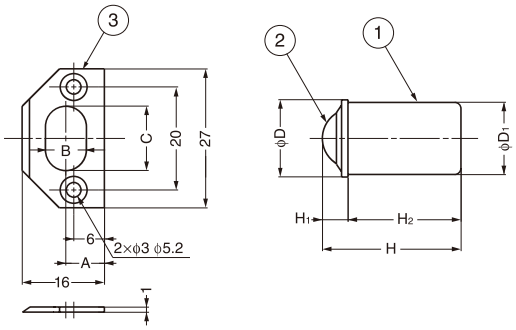
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

SELECTION GUIDE
TOUCH LATCHES
MAGNETIC CATCHES
KNUCKLE/ TENSION CATCHES
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SLIDE/ BARREL BOLTS

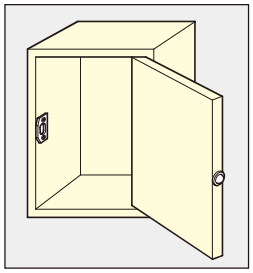
LAMP. TENSION CATCH (MORTISE TYPE) TS

Latest Info





Installation



No.	Part Name	Material	Finish
①	Body	Brass	Plain
②	Ball	Steel	Plain
③	Counter Plate	Brass	Plain

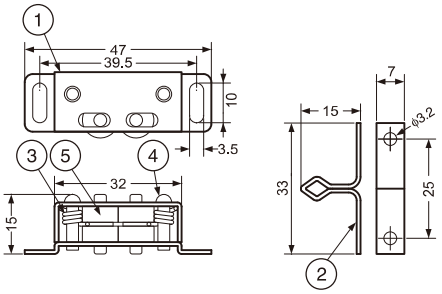
Item Code	Item Name	A	B	C	D	D_1	H	H_1	H_2	Weight	Box	Carton
140-051-041	TSS	7	6.5	10	12	9.7	14.5	3.5	11	8 g	200 pcs	2,000 pcs
140-051-042	TSM	7	6.5	11.5	13	11.5	16.5	4	12	10 g	200 pcs	2,000 pcs
140-051-043	TSL	7.5	8.5	12.5	15	14	27	5	22	18.5 g	200 pcs	800 pcs

ROLLER CATCH S-1080 (STBRC)

Latest Info



SUS



No.	Part Name	Material	Finish
①	Body	304 Stainless Steel	Plain
②	Counter Plate		
③	Spring		
④	Rivet	430 Stainless Steel	
⑤	Roller	Polyethylene	White

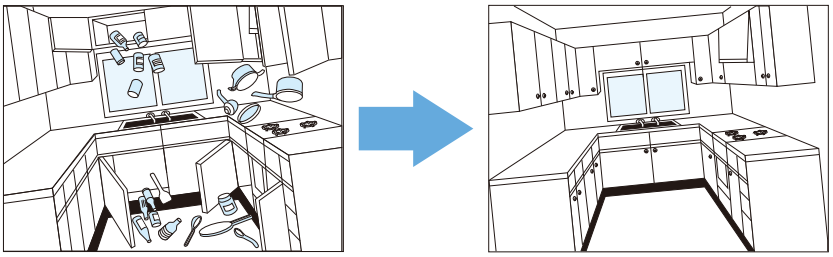
Item Code	Item Name	Push-in Force	Pulling Force	Weight	Box	Carton
140-098-005	S-1080 (STBRC)	1.0 kgf	2.7 kgf	18 g	60 pcs	1,200 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

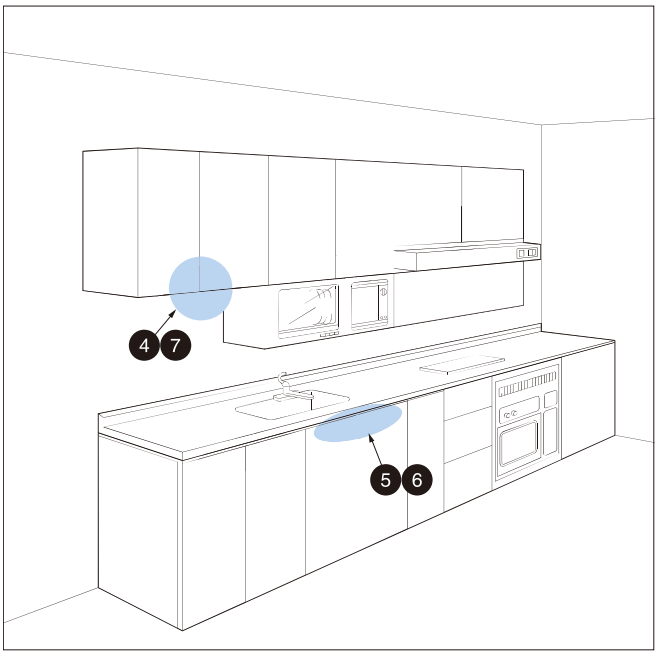
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SLIDE/ BARREL BOLTS

SAFETY BRACKET FALLOUT PREVENTION LATCH

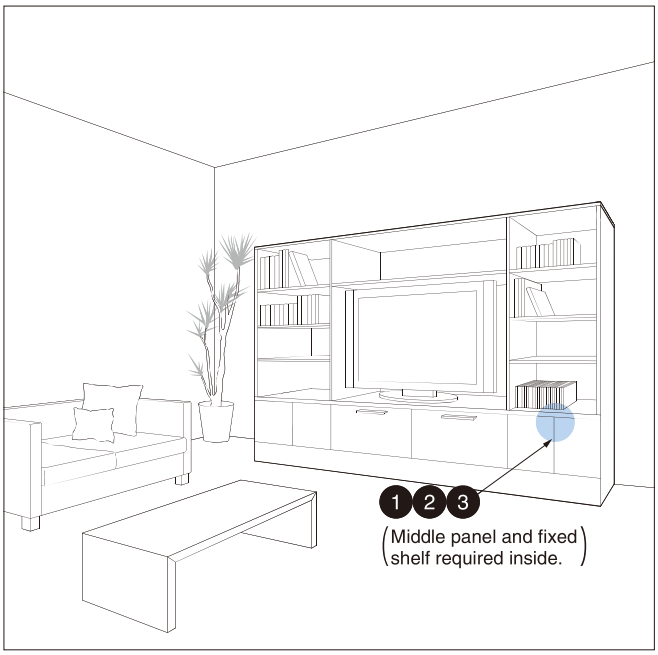
High resistance to vibrations from movement or from earthquakes.
The door can be opened with actions such as pushing, pulling, squeezing.
Use with the Stainless Steel Angle (P.874-877) is recommended.



Kitchen example

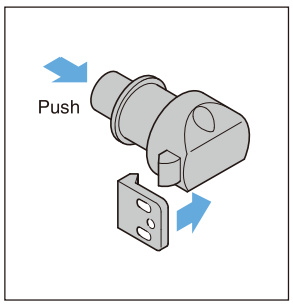


Living room example



1





ZweiL PUSH KNOB LATCH

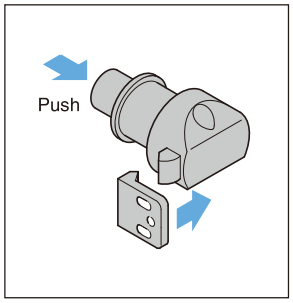
ZL-2901 ..... P.384

When the knob is pushed in, the product becomes flush with its surroundings for a safe and smart design.
Available for both overlay and inset doors.
Door thickness: 13 - 23 mm

2



DPL-RO



LAMP PUSH KNOB LATCH

DPL-RO, DPL-OV, DPL-SQ P.385
PKL05, PKL07, PKL-08 ..... P.386-387

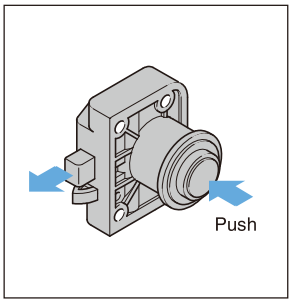
When the knob is pushed in, the product becomes flush with its surroundings for a safe and smart design.
Available for both overlay and inset doors.
Door thickness: 15-25 mm (DPL-RO, DPL-OV, DPL-SQ)
15-30 mm(PKL05, PKL07, PKL-08)

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

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PUSH KNOB LATCHES
LEVER LATCHES
DRAW LATCHES
SLIDE/ BARREL BOLTS

3





LAMP PUSH KNOB LATCH

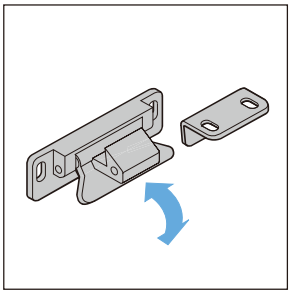
TLP, TLP-S P.388-389

When the knob is pushed in, the product becomes flush with its surroundings for a safe and smart design.
Available for both overlay and inset doors.
Door thickness: 19 - 30 mm

4



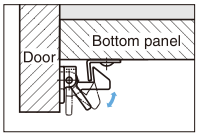
LL-66



LAMP LEVER LATCH LL-66 ..... P.395

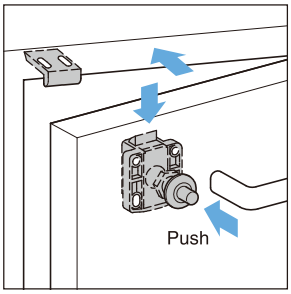
LAMP STAINLESS STEEL LEVER LATCH LL-66S P.395

Usable when the door is longer than the cabinet bottom panel.
Does not require door surface machining and will not affect door design.
Just mount the body and striker directly with wooden screws.
Specifications: When the door is overlaid on the cabinet bottom panel.



5



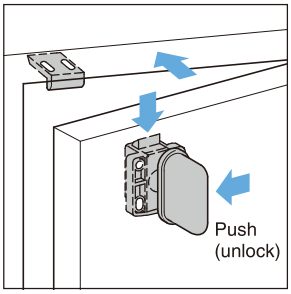


LAMP PUSH KNOB LATCH SL-B211, SL-B251 ..... P.392

This latch combines a push-button and a slide latch. Select a handle to suit your taste from products sold separately.
Available for both overlay and inset doors.
Door thickness: 18 - 25 mm

6



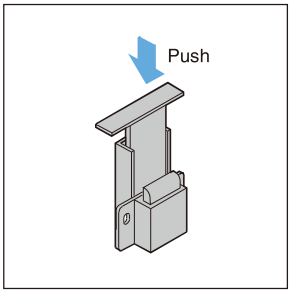


LAMP PUSH KNOB LATCH SL-G25, SL-GB25..... P.393

This latch combines a knob and a slide latch. Push the knob to unlatch and open the door.
Available for both overlay and inset doors.
Door thickness: 18 - 25 mm

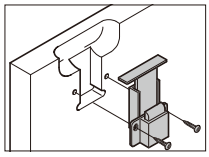
7





LAMP PUSH KNOB LATCH AK-60 ..... P.394

The latch is mounted on the back of the door, so that handles, etc. do not impair the design of the door surface.
Specifications: For overlay doors
Door thickness: Min. 18



This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

Zwei L PUSH KNOB LATCH ZL-2901

Latest Info



- Made of stainless steel SUS316.
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- When the knob is pushed in, the product becomes flush with its surroundings for a safe and smart design.
- Pushing the knob in while the door is closed will lock it. Pushing the knob again will unlock it.
- Available for both overlay and inset doors.
- This product is sold as a set and comes with both a latch and a push knob

TEST METHOD 11 | SUS316 | SCREW

Concept

Parts Included

- Round head wood screw 3.1×10, 3.1×28 (SUS)

Remarks

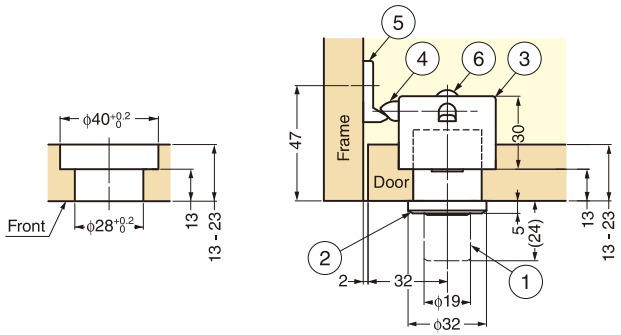
- This product is for indoor use only. Do not use outdoors or in areas exposed to water.

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PUSH KNOB LATCHES
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DRAW LATCHES
SLIDE/ BARREL BOLTS

Knob (Pushed in)



Cut Out Dimensions



No.	Part Name	Material	Finish/Colour
①	Push Knob	Stainless Steel (SUS316)	Zwei L Finish
②	Latch Body	Stainless Steel (SUS316)	Zwei L Finish
③	Latch Body	ABS	Black
④	Latch	Polyacetal (POM)	Black
⑤	Counter Plate	ABS	Black
⑥	Truss Head Tapping Screw M3×25	Stainless Steel	-

Item Code	Item Name	Retaining Force N	Retaining Force kgf	Weight	Box
140-050-403	ZL-2901	98 N	10 kgf	100 g	1 pc

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP PUSH KNOB LATCH DPL

Latest Info



- When the knob is pushed in, the product becomes flush with its surroundings for a safe and smart design.
- Pushing the knob in while the door is closed will lock it. Pushing the knob again will unlock it.
- Available for both overlay and inset doors.
- This product is sold as a set and comes with both a latch and a push knob.

TEST METHOD 11 | SCREW

Feature

Parts Included
- Binding head tapping screw 4×20 (SUS)
- Pan head tapping screw 3×14 (SUS)

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DRAW LATCHES
SLIDE/ BARREL BOLTS

Push Knob and Surface Ring


DPL-RO-G


DPL-RO-CR


DPL-OV-G


DPL-OV-CR


DPL-SQ-G

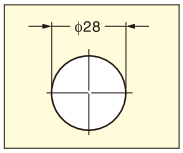

DPL-SQ-CR

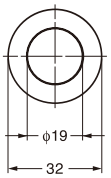

DPL-SQ-SN

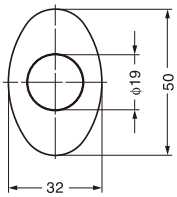
Latch Body and Counter Plate

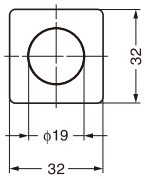


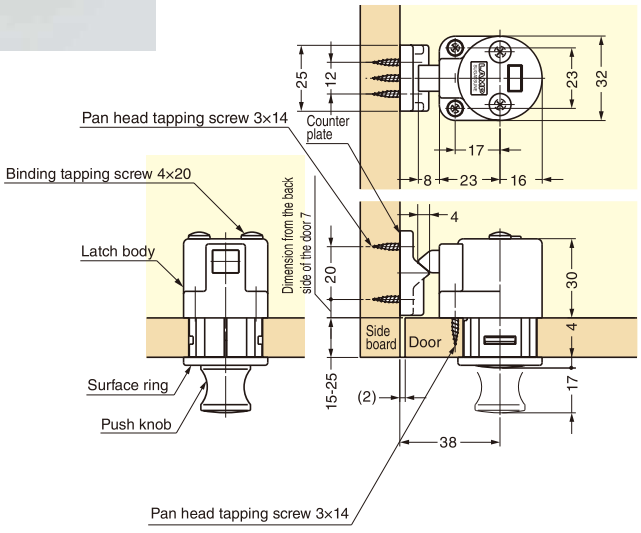
Cut Out Dimensions











Part Name	Material
Latch Body·Counter Plate	ABS
Push Knob·Surface Ring	Zinc Alloy (ZDC)

Item Code	Item Name	Finish	Retaining Force N	Retaining Force kgf	Weight	Box	Carton
140-014-739	DPL-RO-G	Gold (Clear/Paint)	98 N	10 kgf	72 g	10 pcs	80 pcs
140-014-740	DPL-RO-CR	Chrome	98 N	10 kgf	72 g	10 pcs	80 pcs
140-014-734	DPL-OV-G	Gold (Clear/Paint)	98 N	10 kgf	83 g	10 pcs	80 pcs
140-014-735	DPL-OV-CR	Chrome	98 N	10 kgf	83 g	10 pcs	80 pcs
140-014-737	DPL-SQ-G	Gold (Clear/Paint)	98 N	10 kgf	78 g	10 pcs	80 pcs
140-014-738	DPL-SQ-CR	Chrome	98 N	10 kgf	78 g	10 pcs	80 pcs
140-014-736	DPL-SQ-SN	Satin Nickel	98 N	10 kgf	78 g	10 pcs	80 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP PUSH KNOB LATCH PKL-08

Latest Info



- When the knob is pushed in, the product becomes flush with its surroundings for a safe and smart design.
- Pushing the knob in while the door is closed will lock it. Pushing the knob again will unlock it.
- Available for both overlay and inset doors.

TEST METHOD 11 | SCREW

Parts Included

- Truss head screw M3×25 (SUS)
- Round head wood screw 3.1×10, 3.1×28 (SUS)

Option

- Spacer (below)

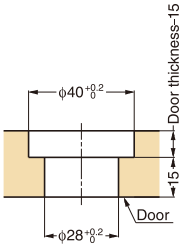
Latch Body and Counter Plate

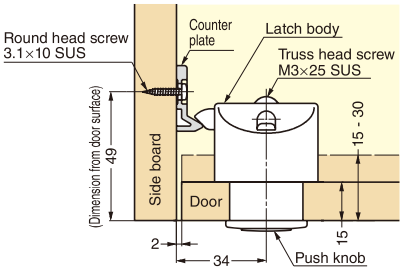


Application Example

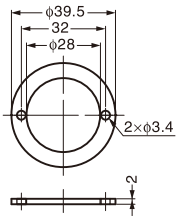


Cut Out Dimensions





Spacer (option)



Part Name	Material
Push Knob	Zinc Alloy (ZDC)
Latch Body·Counter Plate	ABS
Spacer (Option)	ABS

Push Knob

Item Code	Item Name	Finish	Weight	Box	Carton
140-019-792	PKL-08/GA	Gold	63 g	20 pcs	200 pcs
140-019-794	PKL-08/CR	Chrome	63 g	20 pcs	200 pcs
140-019-793	PKL-08/BN	Black Nickel	63 g	20 pcs	200 pcs

Latch Body·Counter Plate

Item Code	Item Name	Colour	Retaining Force N	Retaining Force kgf	Weight	Box	Carton
140-012-822	PKLW	White	98 N	10 kgf	30 g	20 pcs	200 pcs
140-012-820	PKLSW	Snow White	98 N	10 kgf	30 g	20 pcs	200 pcs
140-012-821	PKLB	Black	98 N	10 kgf	30 g	20 pcs	200 pcs

Spacer (Option)

Item Code	Item Name	Colour	Weight	Carton
140-019-255	PKL-Spacer/WHT	White	2 g	2,000 pcs
140-019-256	PKL-Spacer/BLK	Black	2 g	2,000 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP PUSH KNOB LATCH PKL05

Latest Info



Latch Body and Counter Plate



Push Knob



GA



CR

- When the knob is pushed in, the product becomes flush with its surroundings for a safe and smart design.
- Pushing the knob in while the door is closed will lock it. Pushing the knob again will unlock it.
- Available in both right hanging and left hanging types.
- Available for both overlay and inset doors.

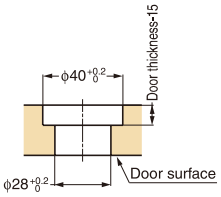
TEST METHOD 11 | SCREW

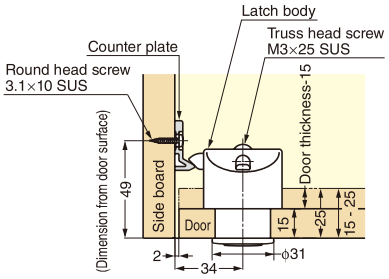
Feature

Parts Included

- Round head wood screw 3.1×10, 3.1×28 (SUS)

Cut Out Dimensions





*Right-handed shown.

Push Knob (Necessary part)

Item Code	Item Name	Type	Finish/Colour	Weight	Box	Carton
140-015-031	PKL05RGA	Right	Gold	68 g	20 pcs	200 pcs
140-015-030	PKL05RCR	Right	Chrome	68 g	20 pcs	200 pcs
140-015-028	PKL05LGA	Left	Gold	68 g	20 pcs	200 pcs
140-015-027	PKL05LCR	Left	Chrome	68 g	20 pcs	200 pcs

Latch Body·Counter Plate (Necessary part)

Item Code	Item Name	Colour	Retaining Force N	Retaining Force kgf	Weight	Box	Carton
140-012-822	PKLW	White	98 N	10 kgf	30 g	20 pcs	200 pcs

Spacer (Optional part for door thickness of 15 mm and under)

Item Code	Item Name	Colour	Weight	Box	Carton
140-019-255	PKL-Spacer/WHT	White	2 g	1,000 pcs	5,000 pcs
140-019-256	PKL-Spacer/BLK	Black	2 g	1,000 pcs	5,000 pcs

Part Name	Material
Push Knob	ABS
Latch Body	ABS/Polyacetal (POM)
Counter Plate	ABS

LAMP PUSH KNOB LATCH PKL07

Latest Info



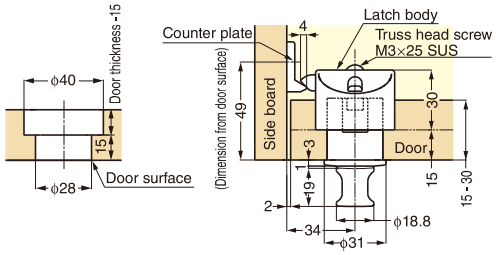
- When the knob is pushed in, the product becomes flush with its surroundings for a safe and smart design.
- Pushing the knob in while the door is closed will lock it. Pushing the knob again will unlock it.
- Available for both overlay and inset doors.

TEST METHOD 11 | SCREW

Parts Included

- Round head wood screw 3.1×10, 3.1×28 (SUS)

Cut Out Dimensions



Push Knob



Latch Body and Counter Plate



Push Knob

Item Code	Item Name	Colour	Weight	Box	Carton
140-012-819	PKL-07SW	White	33 g	20 pcs	200 pcs

Latch Body·Counter Plate

Item Code	Item Name	Colour	Retaining Force N	Retaining Force kgf	Weight	Box	Carton
140-012-820	PKLSW	White	98 N	10 kgf	29 g	20 pcs	200 pcs

Part Name	Material
Push Knob	ABS
Latch Body	ABS/Polyacetal (POM)
Counter Plate	ABS

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP PUSH KNOB LATCH TLP

Latest Info



- When the knob is pushed in, the product becomes flush with its surroundings for a safe and smart design.
- The latch is spring powered and automatically springs out, holding the door in place easily without pushing in the latch.
- Can be adjusted to different door thicknesses (19-30mm) by adjusting the screws before installing the latch body.
- Available for both overlay and inset doors.
- Also available is the 3 point TLP lock system.

TEST METHOD 11 | SCREW

Parts Included

- Screw to install latch body: Pan-head tapping screw 3×20 (SUS)
- Screw to install counter plate: Pan-head tapping screw 3×16 (SUS)
- Screw to adjust door thickness: M4x24, M4x30

SELECTION GUIDE
TOUCH LATCHES
MAGNETIC CATCHES
KNUCKLE/ TENSION CATCHES
PUSH KNOB LATCHES
LEVER LATCHES
DRAW LATCHES
SLIDE/ BARREL BOLTS

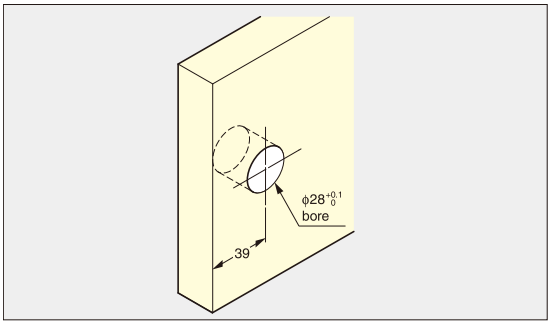
Push Knob Base



Latch Body·Counter Plate

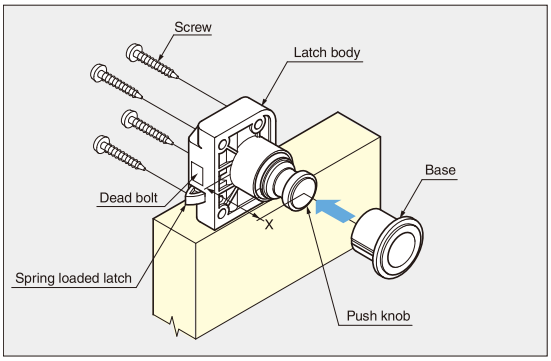


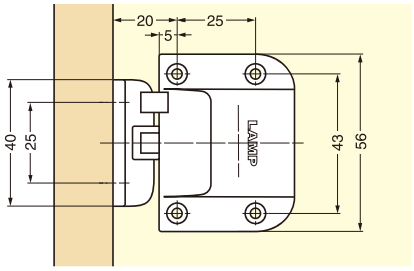
Bore Dimensions (Door)

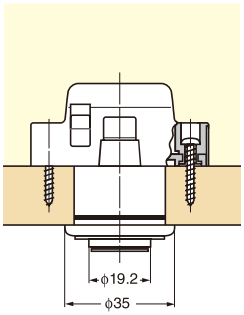


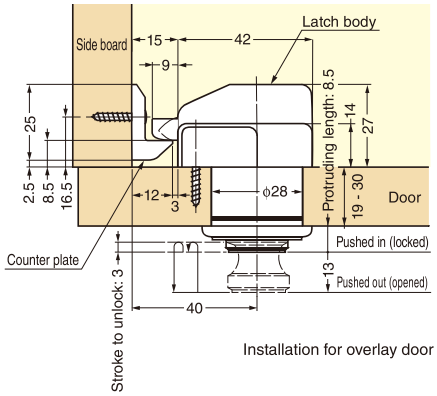
Dimension above is for inset door.

Parts Structure









Installation for overlay door

Part Name	Material
Push Knob	Free-cutting Brass
Base	Zinc Alloy (ZDC)
Latch Body	Polyamide (PA)

X Dimension

Screw Length	Door Thickness	X
24	19	40.5
	20	41.5
	21	42.5
	22	43.5
	23	44.5
	24	45.5
30	25	46.5
	26	47.5
	27	48.5
	28	49.5
	29	50.5
	30	51.5

Push Knob·Base

Item Code	Item Name	Finish	Weight	Box	Carton
140-064-431	TLP-WB	Satin Nickel	77 g	25 pcs	200 pcs
140-064-433	TLP-G	Gold	77 g	25 pcs	200 pcs
140-064-432	TLP-CR	Chrome	77 g	25 pcs	200 pcs

Latch Body·Counter Plate

Item Code	Item Name	Colour	Retaining Force		Weight	Box	Carton
140-060-934	TLP-LBMW	White	196 N	20 kgf	47 g	10 pcs	100 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP PUSH KNOB LATCH TLP-S

Latest Info



- When the knob is pushed in, the product becomes flush with its surroundings for a safe and smart design.
- The latch is spring powered and automatically springs out, holding the door in place easily without pushing in the latch.
- Can be adjusted to different door thicknesses (19-30mm) by adjusting the screws before installing the latch body.
- Available for both overlay and inset doors.

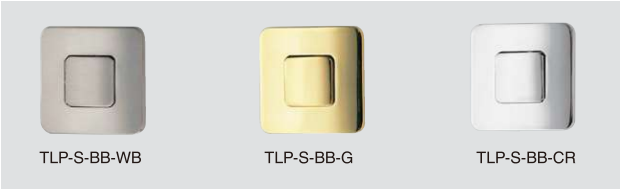
TEST METHOD 11 | SCREW

Feature

Parts Included

- Screw to install latch body: Pan-head tapping screw 3×20 (SUS)
- Screw to install counter plate: Pan-head tapping screw 3×16 (SUS)
- Screw to adjust door thickness: M4×25, M4×31

Push Knob Base



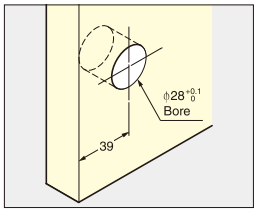
TLP-S-BB-WB | TLP-S-BB-G | TLP-S-BB-CR

Latch Body·Counter Plate



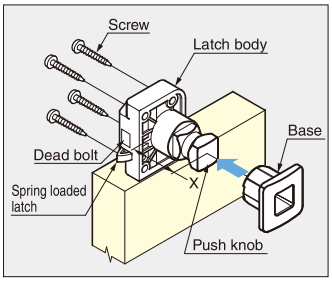
Brown is also available as special order.

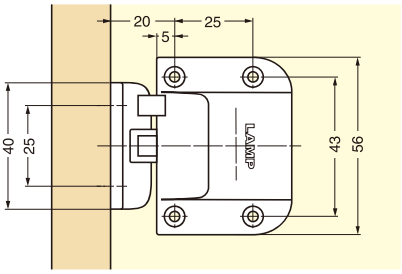
Bore Dimensions (Door)

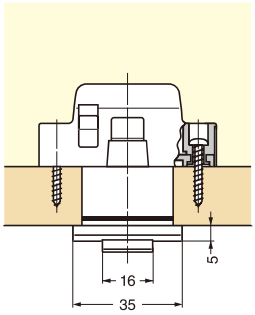


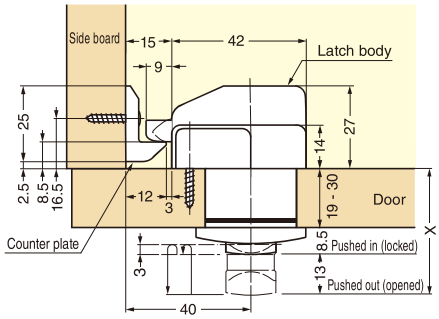
Dimension above is for inset door.

Parts Structure









X Dimension

Screw Length	Door Thickness	X
25	19	40.5
	20	41.5
	21	42.5
	22	43.5
	23	44.5
	24	45.5

Screw Length	Door Thickness	X
31	25	46.5
	26	47.5
	27	48.5
	28	49.5
	29	50.5
	30	51.5

Part Name	Material
Push Knob	Brass
Base	Zinc Alloy (ZDC)
Latch Body	Polyamide (PA)

Push Knob·Base

Item Code	Item Name	Finish	Weight	Box	Carton
140-014-264	TLP-S-BB-WB	Satin Nickel	84 g	30 pcs	150 pcs
140-014-265	TLP-S-BB-G	Gold	84 g	30 pcs	150 pcs
140-012-390	TLP-S-BB-CR	Chrome	84 g	30 pcs	150 pcs

Latch Body·Counter Plate

Item Code	Item Name	Colour	Retaining Force N	Retaining Force kgf	Weight	Box	Carton
140-060-934	TLP-LBM W	White	196 N	20 kgf	47 g	10 pcs	100 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. PUSH KNOB BAR LATCH TLP 3 POINT

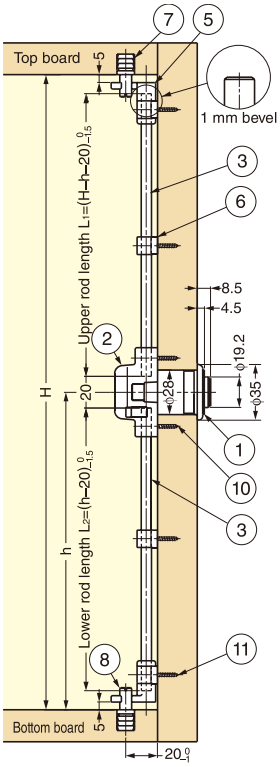
Latest Info

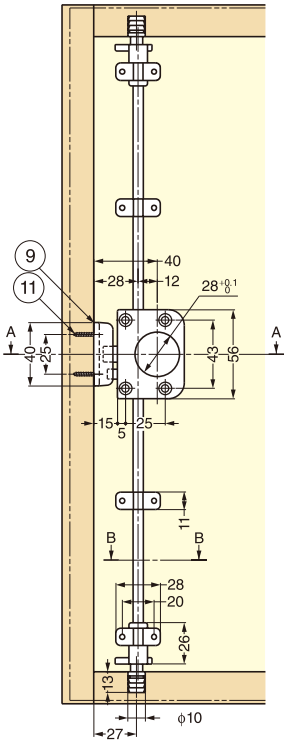
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DRAW LATCHES
SLIDE/ BARREL BOLTS



- Recommended for use on large cabinet doors
- By pushing in the latch, easily close all 3 locks at the same time.
- When closed, the push button can be pressed in for a flush appearance
- Has built-in door holding feature to hold door in place when closed without having to use push in knob to lock the door.
- The subsidiary locks are hooking locks and pull the door in to lock.
- Available for both overlay and inset doors. Regardless of type, surface installation is easy.
- Non-handed
- Can be adjusted to different door thicknesses (19-30mm) by adjusting the screws before installing the latch body.
- Post-installation, the push button is fixed in place, preventing rotation for easy use.

SCREW

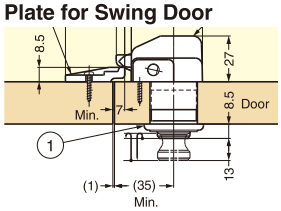


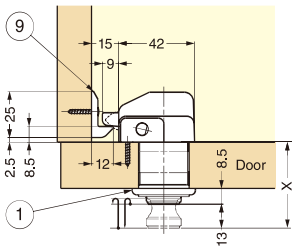


Push Knob



Plate for Swing Door

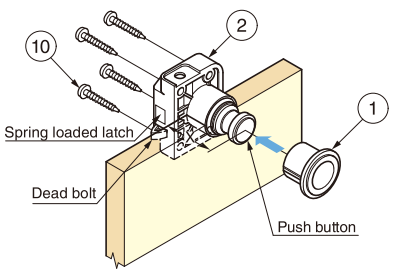


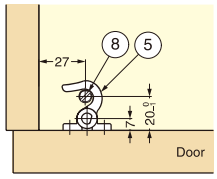


A-A cross section

X Dimension

Screw Length	Door Thickness	X
ℓ=24	19	40.5
ℓ=24	20	41.5
ℓ=24	21	42.5
ℓ=24	22	43.5
ℓ=24	23	44.5
ℓ=24	24	45.5
ℓ=30	25	46.5
ℓ=30	26	47.5
ℓ=30	27	48.5
ℓ=30	28	49.5
ℓ=30	29	50.5
ℓ=30	30	51.5

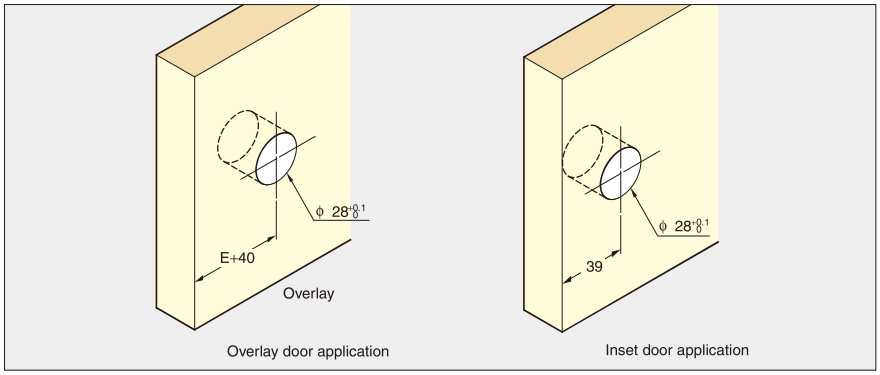




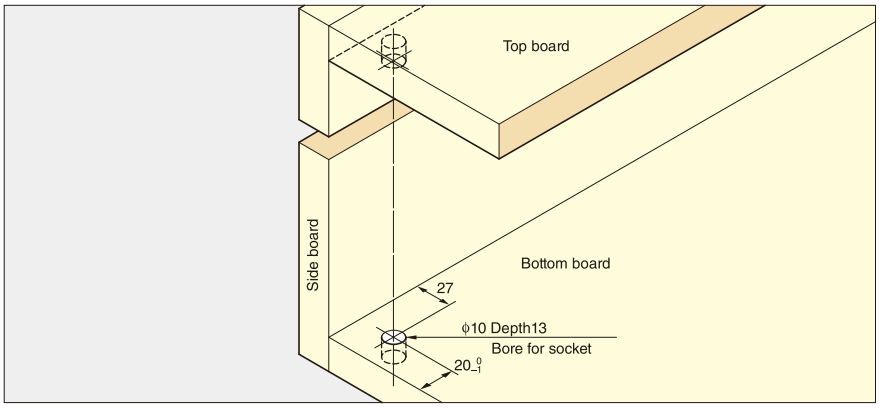
B-B cross section

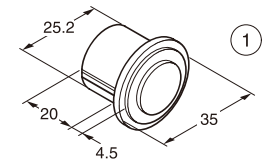
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

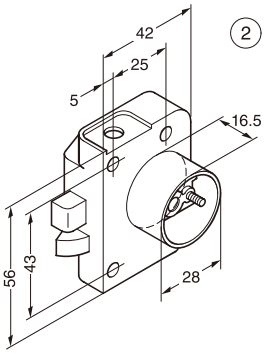
Bore Dimension (Door)

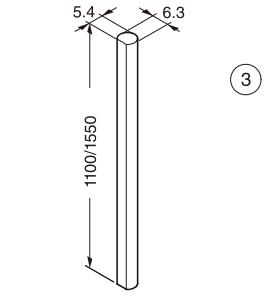


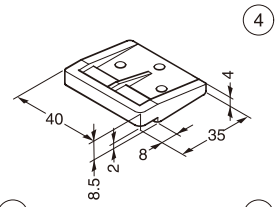
Bore Dimension (Cabinet)

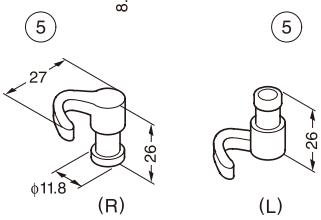


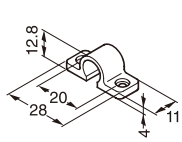


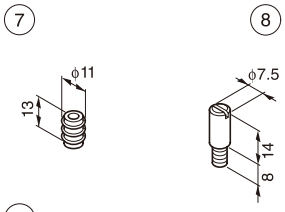


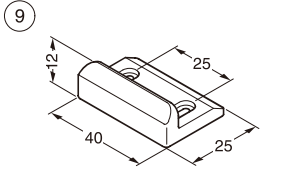












Parts Included in ②

No.	Part Name	Qty	Material	Finish/Colour
⑨	Counter Plate	1 pc	Polyamide (PA)	White
⑩	Pan Head Tapping Screw 3×20	4 pcs	Steel	Yellow Zinc Chromate
⑪	Pan Head Tapping Screw 3×16	2 pcs	Steel	Yellow Zinc Chromate

Details of ⑤ - ⑧, ⑪

No.	Part Name	Qty	Material	Finish/Colour
⑤	Hook	Left and Right each 1 pc	Polyacetal (POM)	White/Brown
⑥	Holder	4 pcs	Polyamide (PA)	White/Brown
⑦	Socket M6	2 pcs	Polyamide (PA)	White/Brown
⑧	Striker (M6 Screw)	2 pcs	Steel	Nickel
⑪	Pan Head Screw 3×16	8 pcs	Steel	Yellow Zinc Chromate

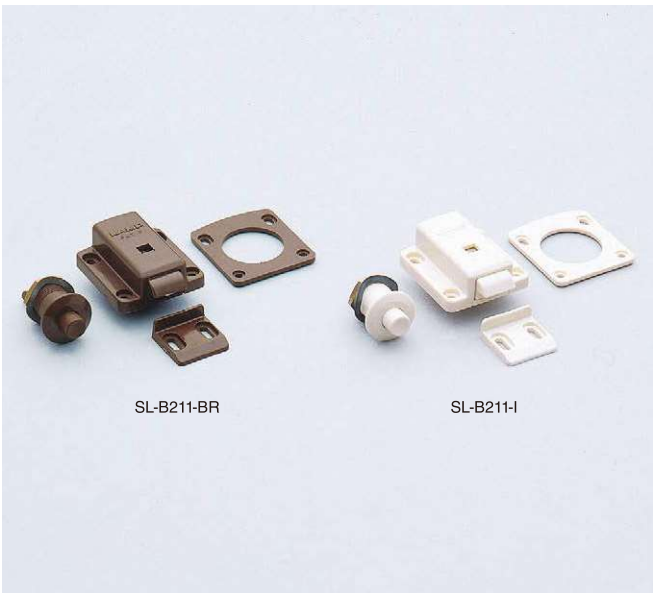
Parts Details

Item Code	Item Name	No.	Name	Door Thickness	Material	Finish/Colour	Needed Qty	Box	Carton
140-064-431	TLP-WB	①	Push Button	19 - 30	Zinc Alloy (ZDC)/ Brass	Satin Nickel	1 pc	25 pcs	200 pcs
140-064-433	TLP-G	①	Push Button	19 - 30	Zinc Alloy (ZDC)/ Brass	Gold		25 pcs	200 pcs
140-064-432	TLP-CR	①	Push Button	19 - 30	Zinc Alloy (ZDC)/ Brass	Chrome		25 pcs	200 pcs
140-060-933	TLP-W	②	Latch Body	–	Polyamide (PA)	White	1 pc	10 pcs	100 pcs
150-060-231	TLF-1100	③	Prop (Length: 1100)	–	Steel	Nickel	2 pcs	–	50 pcs
150-060-232	TLF-1550	③	Prop (Length: 1550)	–	Steel	Nickel		–	50 pcs
150-060-235	TLF-ST03W	④	Counter Plate for Double Swing Door	–	Polyamide (PA)	White	1 pc	–	–
150-060-271	TLPP-W	⑤ - ⑧, ⑪	Parts Set (White)	–	As below	As below	1 set	25 sets	250 sets
150-060-270	TLPP-BR	⑤ - ⑧, ⑪	Parts Set (Brown)	–	As below	As below		25 sets	250 sets

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. PUSH KNOB LATCH SL-B211, SL-B251

Latest Info

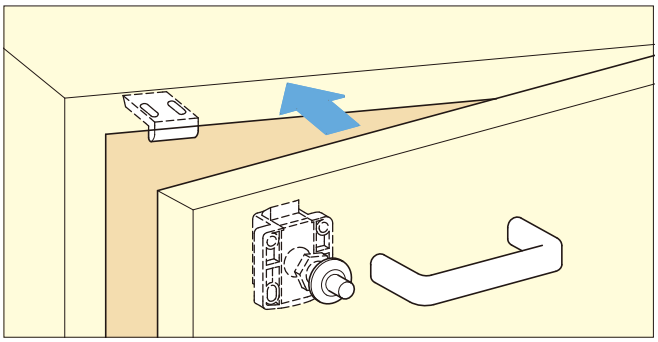


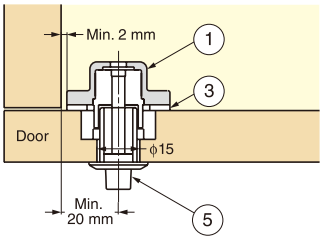
- Combination of push button and slide latch. Used in combination with a handle of your choice (sold separately)
- SL-B211 can be used for doors with thickness between 18-21mm. SL-B251 can be used for doors from 22-25mm thick. Adjust the spacer depending on door thickness.

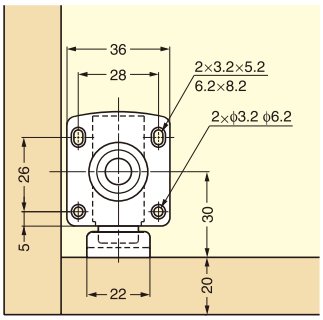
TEST METHOD 11 | SCREW

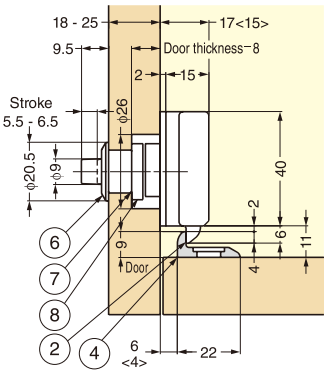
Parts Included

- Pan head tapping screw 3×14



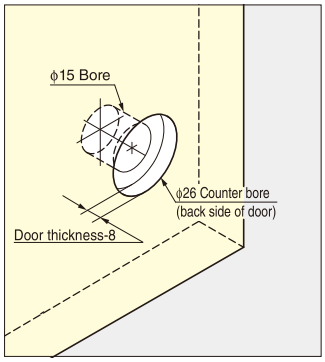




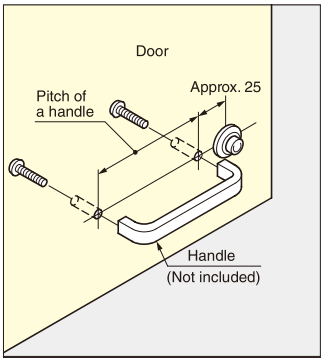


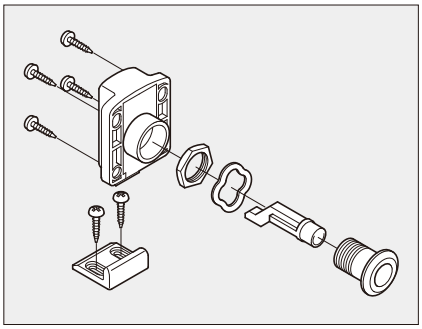
* < > = Without spacer.

Bore Dimensions (Door)



Handle Installation Example





No.	Part Name	Material	Finish/Colour
①	Body	Polyamide (PA)	Ivory, Brown
②	Latch	Polyamide (PA)	Ivory, Brown
③	Spacer	Polyamide (PA)	Ivory, Brown
④	Counter Plate	Polyacetal (POM)	Ivory, Brown
⑤	Push Button	Polyacetal (POM)	Ivory, Brown
⑥	Base	Polyamide (PA)	Ivory, Brown
⑦	Washer (ϕ14)	Spring Steel	–
⑧	Nut (M14)	Steel	Yellow Zinc Chromate

Item Code	Item Name	Colour	Door Thickness	Spacer	Retaining Force N	Retaining Force kgf	Weight	Box	Carton
140-060-010	SL-B211-I	Ivory	18, 19	Necessary	156.8 N	16 kgf	23.5 g	20 pcs	200 pcs
			20, 21	Unnecessary					
140-060-011	SL-B211-BR	Brown	18, 19	Necessary	156.8 N	16 kgf	23.5 g	20 pcs	200 pcs
			20, 21	Unnecessary					
140-060-016	SL-B251-I	Ivory	22, 23	Necessary	156.8 N	16 kgf	23.5 g	20 pcs	200 pcs
			24, 25	Unnecessary					
140-060-017	SL-B251-BR	Brown	22, 23	Necessary	156.8 N	16 kgf	23.5 g	20 pcs	200 pcs
			24, 25	Unnecessary					

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. PUSH KNOB LATCH SL-G25, SL-GB25

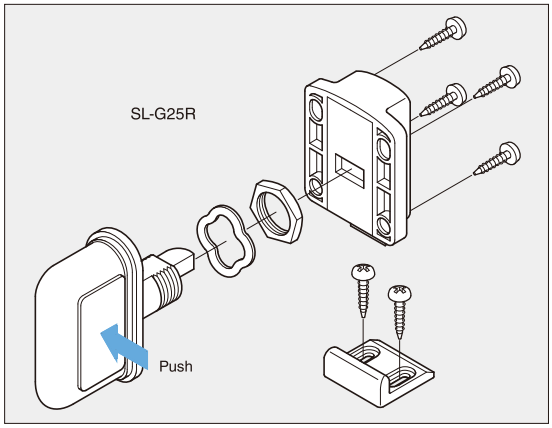
Latest Info



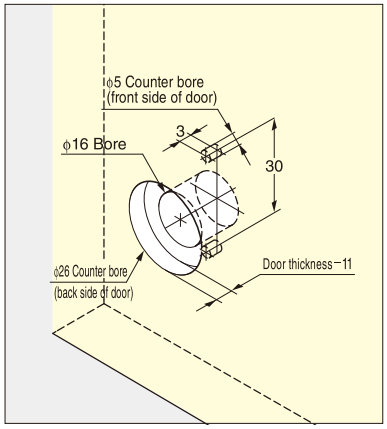
- Unit is composed of knob and slide latch.
- Wide push button makes operating (opening and closing) easy
- Suitable for doors between 18-25mm thick

TEST METHOD 11 | SCREW

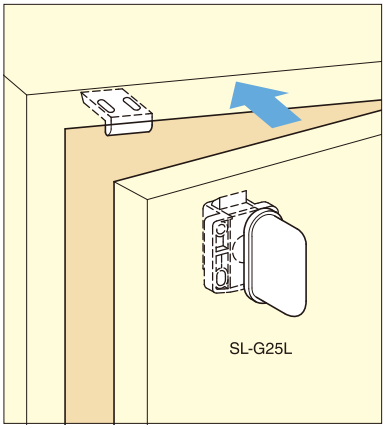
Parts Included
- Pan head tapping screw 3×14

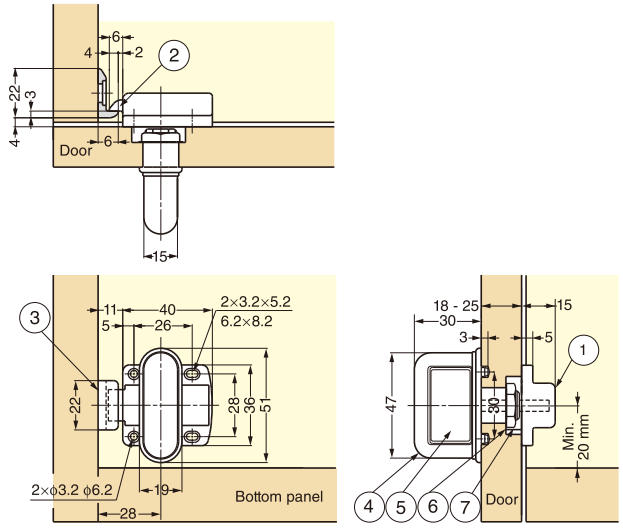


Bore Dimensions (Door)

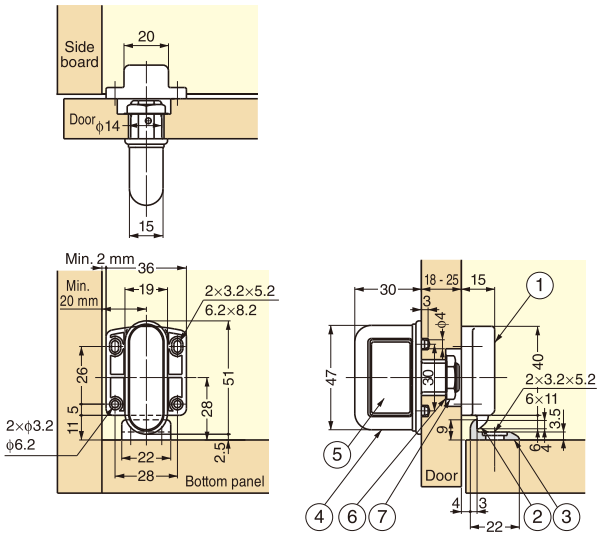


Application Example





Dimension above: SL-GB25



Dimension above: SL-G25R

Item Code	Item Name	Colour	Retaining Force N	Retaining Force kgf	Weight	Box	Carton
140-060-030	SL-G25L-I	Ivory	156.8 N	16 kgf	32.5 g	20 pcs	200 pcs
140-060-022	SL-G25R-I	Ivory	156.8 N	16 kgf	32.5 g	20 pcs	200 pcs
140-060-038	SL-GB25-I	Ivory	156.8 N	16 kgf	32.5 g	20 pcs	200 pcs

No.	Part Name	Material	Finish/Colour
①	Body	Polyamide (PA)	Ivory
②	Latch	Polyamide (PA)	Ivory
③	Counter Plate	Polyacetal (POM)	Ivory
④	Knob	ABS	Ivory
⑤	Lever	Polyacetal (POM)	Ivory
⑥	Washer (ϕ14)	Spring Steel	–
⑦	Nut (M14)	Steel	Yellow Zinc Chromate

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. PUSH KNOB LATCH AK-60

Latest Info



- Prevents unintended opening of flap doors and doors due to shaking from events like earthquakes.
- Installed on the interior of flap doors and doors, removing the need for handles or knobs, creating a a seamless outward appearance.
- Operation is easy. Closing the flap or door causes the unit to automatically latch. Opening the flap or door is easy by just pushing on it.
- Can be installed on either the bottom or top of storage cabinets and similar items.
- Cover for the cut end available (sold separately)

TEST METHOD 11 | SCREW

Recommended Application

- Door thickness: Min. 18 mm
- Door size: H: max. 700 mm × W max. 500 mm
  Thickness of top board or bottom board: 25 mm
  (use spacer in case 20 mm or 15 mm)

* 25 mm-thick board: screw for mounting counter plates = 3.5×15

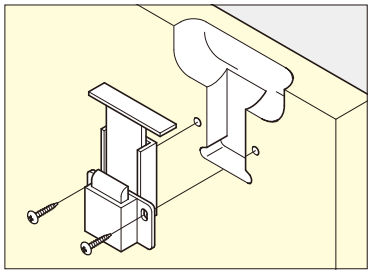
* 20 mm or 15 mm-thick board: screw for mounting counter plates = 3.5×20

Parts Included

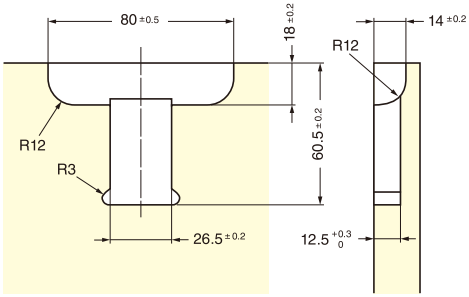
- Binding head tapping screw 3.5×15, 3.5×20, 4.0×15 (SUS)

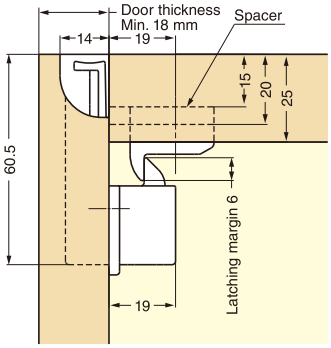
Sold Separately

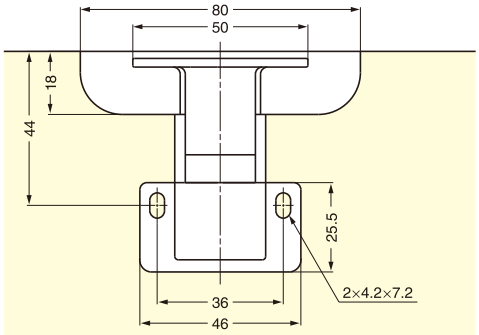
- Cover for the cut end of board: AK-C60 (below)



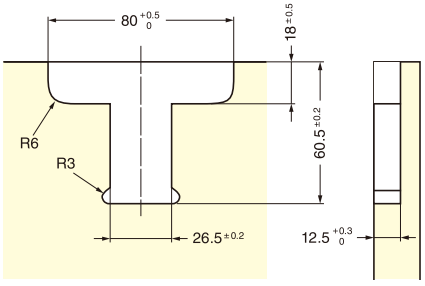
Bore Dimensions (Door)

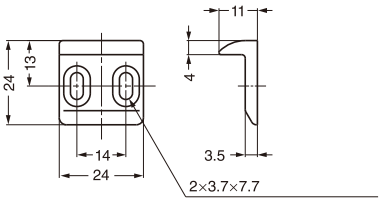




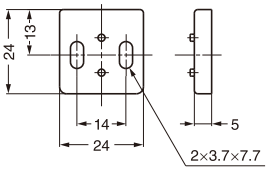


Bore Dimensions (Using the Cover for the Cut End of Board)





Counter Plate



Spacer

Part Name	Material	Colour
Latch Body	ABS/Polyacetal (POM)	White, Brown
Counter Plate	Polyamide (PA)	White, Brown
Spacer	Polyamide (PA)	White, Brown

Item Code	Item Name	Colour	Retaining Force		Weight	Box	Carton
140-050-215	AK-60WT	White	196 N	20 kgf	41 g	20 pcs	200 pcs
140-050-214	AK-60BR	Brown	196 N	20 kgf	41 g	20 pcs	200 pcs

COVER FOR THE CUT END OF BOARD AK-C60

Latest Info



- Cover for the cut end of board for AK-60.

SCREW

Parts Included

- Countersunk head tapping screw 3×10 (SUS)

Item Code	Item Name	Colour	Weight	Box	Carton
140-050-213	AK-C60WT	White	28 g	50 pcs	500 pcs
140-050-212	AK-C60BR	Brown	28 g	50 pcs	500 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP STAINLESS STEEL LEVER LATCH LL-66S

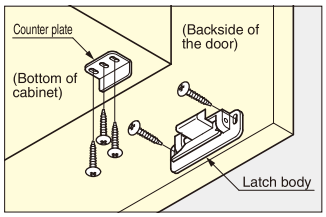
Latest Info

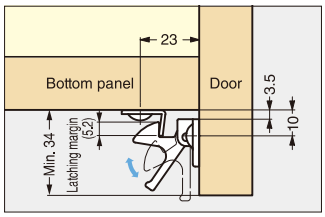


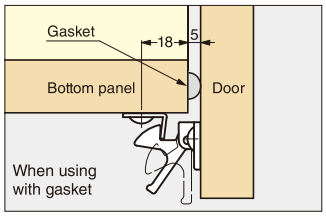
- Made entirely out of SUS316 or its equivalent. Very high corrosion resistance.
- Heat-resistant
- Can be used on overlay doors or flap doors where the door is longer than the frame's height.
- Removes the need for handles or pulls.
- High resistance to vibrations from movement or from earthquakes.
- Installation position can be adjusted (Body: vertically ±1.5mm. Counter plate: horizontally ±1.5mm)
- Can be used in exterior applications.

SUS316 SCREW

Cut Out Dimensions

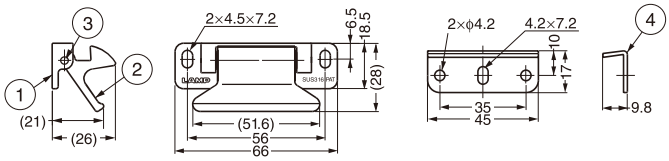






Parts Included

- Truss head tapping screw 4×12 (SUS)



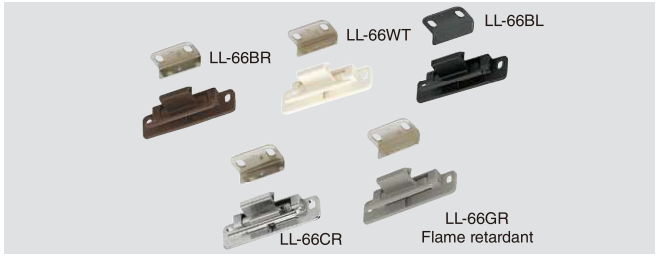
No.	Part Name	Material	Finish
①	Latch Body	Stainless Steel (SCS14)	Mirror
②	Lever	Stainless Steel (SCS14)	Mirror
③	Shaft	Stainless Steel (SUS316)	Plain
④	Counter Plate	Stainless Steel (SUS316)	Mirror

*SCS14 is equivalent of SUS316.

Item Code	Item Name	Retaining Force N	Retaining Force kgf	Weight	Box	Carton
140-051-030	LL-66S	196 N	20 kgf	85 g	20 pcs	100 pcs

LAMP LEVER LATCH LL-66

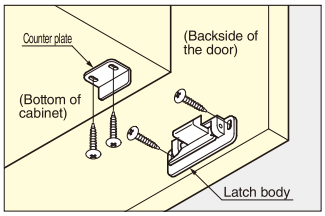
Latest Info

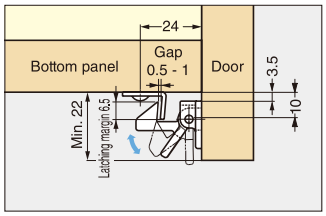


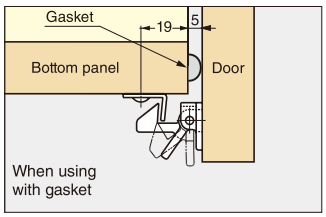
- Can be used on overlay doors or flap doors where the door is longer than the frame's height.
- Removes the need for handles or pulls.
- High resistance to vibrations from movement or from earthquakes.
- Installation position can be adjusted (Body: vertically ±1.5mm. Counter plate: horizontally ±1.5mm)
- LL-66GR uses flame retardant material rated UL94V-0.

TEST METHOD 11 SCREW

Cut Out Dimensions

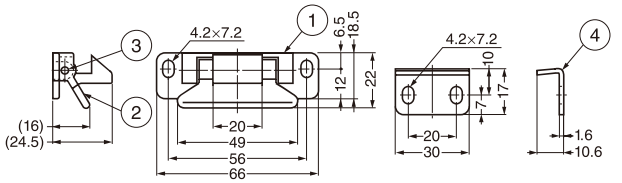






Parts Included

- Truss head tapping screw 4×12



No.	Part Name	Material	Finish/Colour
①	Latch Body	Chrome: ABS Others: Polyamide (PA)	White, Brown, Grey, Chrome, Black
②	Lever	Chrome: ABS Others: Polyamide (PA)	White, Brown, Grey, Chrome, Black
③	Shaft	Steel	Yellow Zinc Chromate
④	Counter Plate	Steel	Nickel

Item Code	Item Name	Type	Colour	Retaining Force N	Retaining Force kgf	Weight	Box	Carton
140-051-028	LL-66BR	–	Brown	196 N	20 kgf	25 g	30 pcs	300 pcs
140-051-027	LL-66WT	–	White	196 N	20 kgf	25 g	30 pcs	300 pcs
140-036-236	LL-66CR	–	Chrome Plating	196 N	20 kgf	26 g	30 pcs	300 pcs
140-047-143	LL-66BL	–	Black	196 N	20 kgf	25 g	30 pcs	300 pcs
140-051-029	LL-66GR	Flame retardant	Grey	196 N	20 kgf	25 g	30 pcs	300 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. FLUSH SLAM LATCH LJ-61

Latest Info



- Door will be latched when closed.
- Pull lever to open.
- Non-Handed: Can be installed on left or right side.
- All components are plastic, 304 or 316 stainless steel to provide high corrosion resistance.
- Easy installation. Insert the latch body through cut out section and simply screw-on the back plate.
- Back plate is designed to accommodate door thickness 0.8 mm - 12 mm, and also 12.5 mm - 22 mm by flipping over.
- Can be released from inside.

SCREW

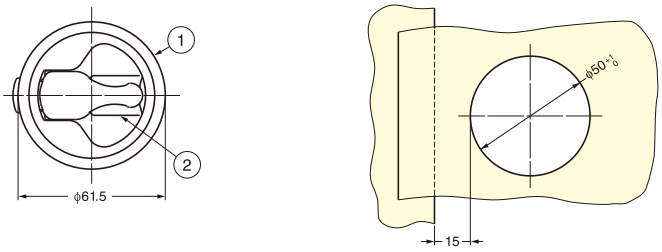
Parts Included

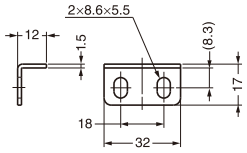
- Pan head screw M5×12 (SUS316)
- Pan head screw M5×18 (SUS316)

Feature

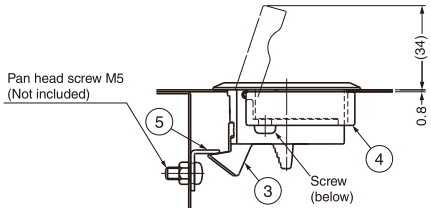
SELECTION GUIDE
TOUCH LATCHES
MAGNETIC CATCHES
KNUCKLE/ TENSION CATCHES
PUSH KNOB LATCHES
LEVER LATCHES
DRAW LATCHES
SLIDE/ BARREL BOLTS

Cut Out Dimensions

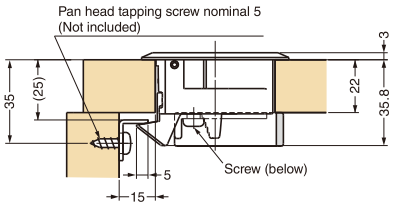




Counter plate



Type A



Type B

No.	Part Name	Material	Finish/Colour
①	Body	Polycarbonate	Black, White
②	Lever	Polycarbonate	Black, White
③	Latch	Polyacetal (POM)	Black, White
④	Back Plate	Polycarbonate	Black, White
⑤	Counter Plate	Stainless Steel (SUS316)	Mirror

Screws

Type	Door Thickness	Screw
Type A	0.8 - 7.5	Pan Head Tapping Screw M5×12
Type A	8 - 12	Pan Head Tapping Screw M5×18
Type B	12.5 - 18.5	Pan Head Tapping Screw M5×12
Type B	19 - 22	Pan Head Tapping Screw M5×18

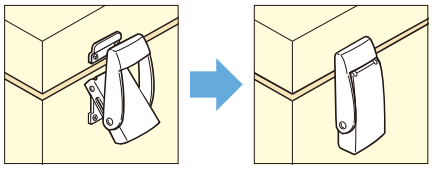
Item Code	Item Name	Colour	Retaining Force		Weight	Box	Carton
140-050-031	LJ-61-BL	Black	147 N	15 kgf	60 g	10 pcs	120 pcs
140-059-200	LJ-61-WT	White	147 N	15 kgf	60 g	10 pcs	120 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. STAINLESS STEEL DRAW LATCH (W/ SAFETY LOCK) STF100

Latest Info

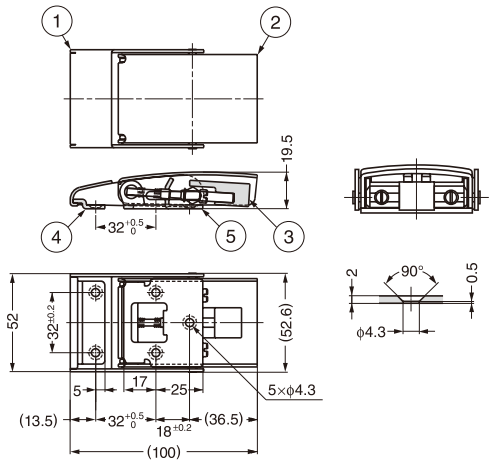




- With safety lock to prevent accidental release.
- Push safety button and lift to release.

TEST METHOD 7 | TEST METHOD 8 | SUS

Recommended Screw
- M4



No.	Part Name	Material	Finish/Colour
①	BodyA	Stainless Steel (SUS304)	Satin
②	BodyB	Stainless Steel (SUS304)	Satin
③	Release Button	Nitrile Rubber (NBR)	Black
④	Counter Plate	Stainless Steel (SUS304)	Satin
⑤	Mounting Plate	Stainless Steel (SUS304)	Polished

Item Code	Item Name	Tension Force N	Tension Force kgf	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
120-044-024	STF100	137.2 N	14 kgf	784 N	80 kgf	190 g	6 pcs	120 pcs

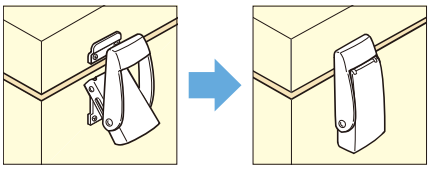
SELECTION GUIDE
TOUCH LATCHES
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DRAW LATCHES
SLIDE/ BARREL BOLTS

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. STAINLESS STEEL DRAW LATCH (W/ SAFETY LOCK) STF82L

Latest Info

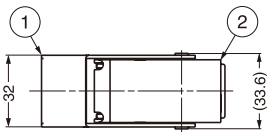




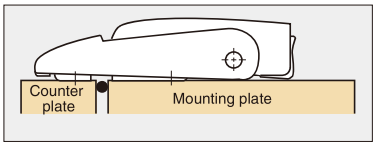
- With safety lock to prevent accidental release.
- Push safety button and lift to release.

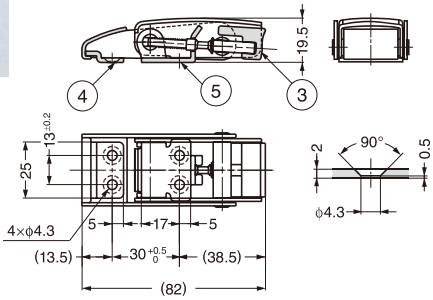
TEST METHOD 7 | SUS

Recommended Screw
- M4



Application





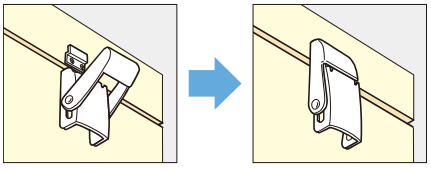
No.	Part Name	Material	Finish/Colour
①	BodyA	Stainless Steel (SUS304)	Satin
②	BodyB	Stainless Steel (SUS304)	Satin
③	Release Button	Nitrile Rubber (NBR)	Black
④	Counter Plate	Stainless Steel (SUS304)	Satin
⑤	Mounting Plate	Stainless Steel (SUS304)	Polished

Item Code	Item Name	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
120-913-101	STF82L	784 N	80 kgf	111 g	12 pcs	180 pcs

LAMP. STAINLESS STEEL DRAW LATCH (SPRING LOADED) STF80

Latest Info

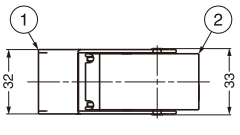


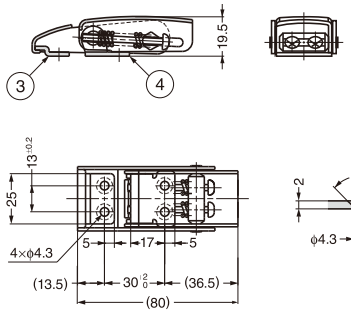


- Spring loaded latch provides constant holding tension for secure latching.
- Resistant to vibration.

TEST METHOD 7 | TEST METHOD 8 | SUS

Recommended Screw
- M4





No.	Part Name	Material	Finish
①	BodyA	Stainless Steel (SUS304)	Satin
②	BodyB	Stainless Steel (SUS304)	Satin
③	Counter Plate	Stainless Steel (SUS304)	Satin
④	Mounting Plate	Stainless Steel (SUS304)	Polished

Item Code	Item Name	Tension Force N	Tension Force kgf	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
120-914-490	STF80	58.8 N	6 kgf	784 N	80 kgf	110 g	12 pcs	180 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP STAINLESS STEEL COMPRESSION LATCH STF-CP140

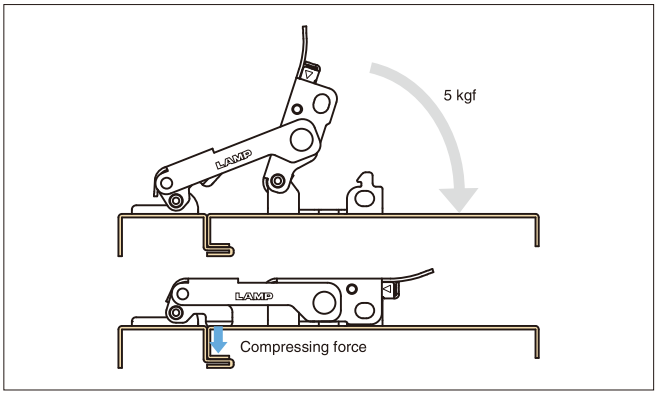
Latest Info

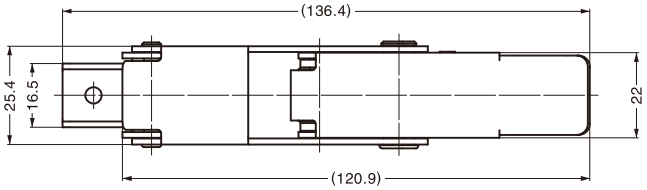


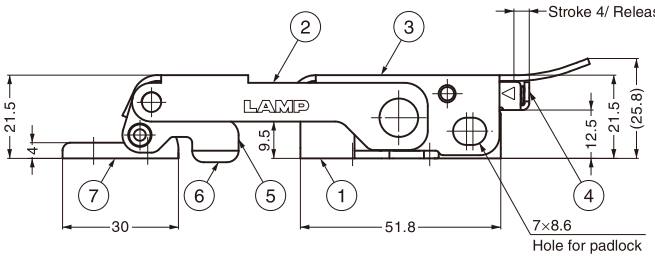
- Can puts vertical downward force.
- Compression force is adjustable post-installation
- Safety lock automatically locks to prevent unintentional opening
- Push safety button to release the lock.
- Can be used with Padlock.

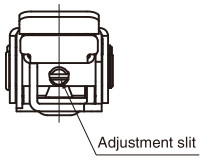
TEST METHOD 7 | SUS

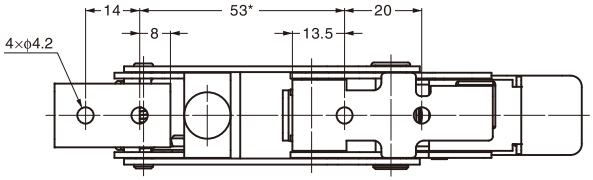
Application



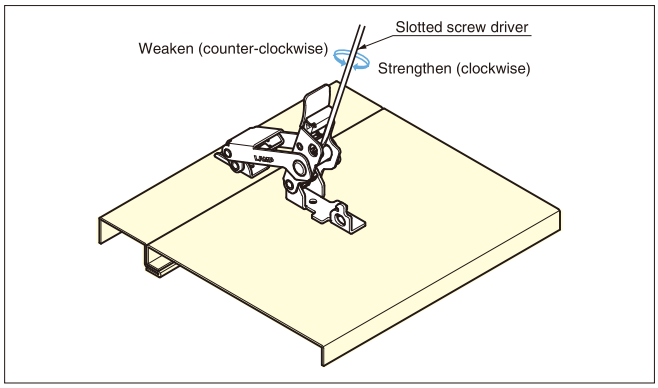


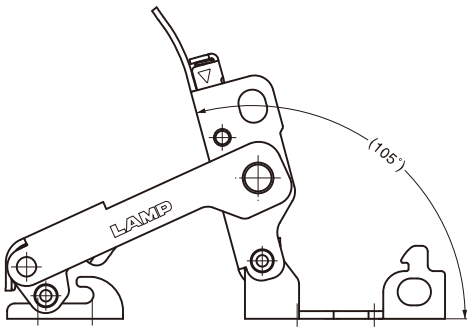






How to Adjust Compressing Force





Fully opened

No.	Part Name	Material	Finish/Colour
①	Base	Stainless Steel (SUS304)	Mirror
②	Arm	Stainless Steel (SUS304)	Mirror
③	Lever	Stainless Steel (SUS304)	Mirror
④	Safety Button	Stainless Steel (SUS304)	Mirror
⑤	Compression Arm	Stainless Steel (SUS304)	Mirror
⑥	Rubber	Ethylene Propylene Rubber (EPDM)	Black
⑦	Counter Plate	Stainless Steel (SUS304)	Mirror

Item Code	Item Name	Compressing Force		Load Capacity N	Load Capacity kgf	Weight	Box	Carton
120-025-504	STF-CP140	245 N	25 kgf	600 N	61 kgf	130 g	10 pcs	80 pcs

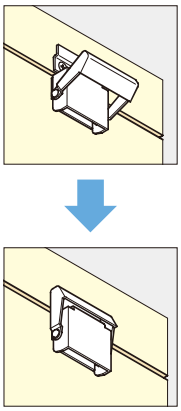
*In case of the lever operation force in 5kgf

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. STAINLESS STEEL DRAW LATCH STF40

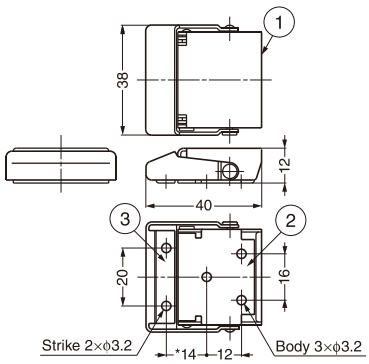
Latest Info





TEST METHOD 8 | SUS

Recommended Screw
- M3



*In case that overlap allowance is 0 mm.

Clamping Force by Overlap Allowance

Overlap Allowance mm	Clamping Force N	Clamping Force kgf
1	49	5

No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Polished
②	Mounting Plate	Stainless Steel (SUS304)	Polished
③	Strike	Stainless Steel (SUS304)	Polished

Item Code	Item Name	Load Capacity	Load Capacity	Weight	Box	Carton
120-044-025	STF40	300 N	30.6 kgf	30 g	30 pcs	300 pcs

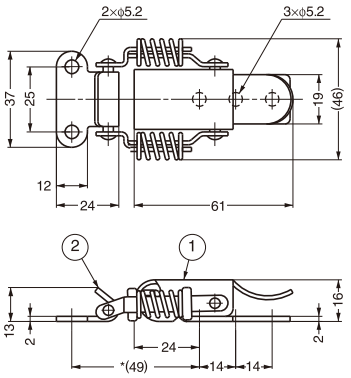
LAMP. STAINLESS STEEL COMPRESSION DRAW LATCH SCC-60

Latest Info



- Made entirely out of stainless steel
- Built in spring

SUS



*Dimension shown is in case of clamping force "0".

Item Code	Item Name	Load Capacity	Load Capacity	Weight	Box	Carton
120-043-981	SCC-60	600 N	61 kgf	75 g	20 pcs	200 pcs

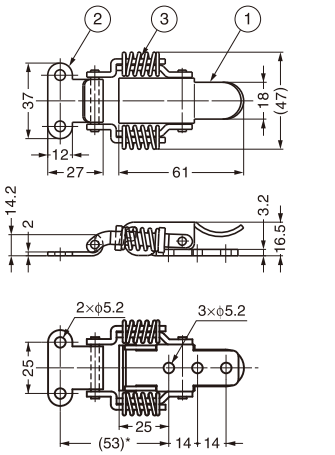
No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Polished
②	Counter Plate	Stainless Steel (SUS304)	Polished

COMPRESSION DRAW LATCH SCCA-60

Latest Info



- Built in spring



*Dimension shown is in case of clamping force "0".

Item Code	Item Name	Load Capacity	Load Capacity	Weight	Carton
120-049-303	SCCA-60	330 N	34 kgf	102 g	100 pcs

No.	Part Name	Material	Finish
①	Body	Steel	Clear Zinc Chromate
②	Counter Plate	Steel	Clear Zinc Chromate
③	Spring	Steel	-

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

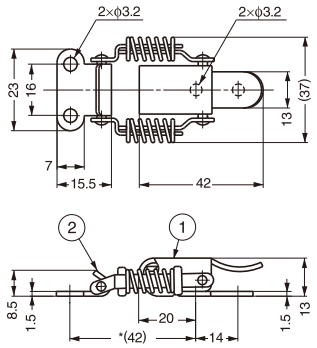
LAMP. STAINLESS STEEL COMPRESSION DRAW LATCH SCC-40

Latest Info



- Made entirely out of stainless steel
- Built in spring

SUS



*Dimension shown is in case of clamping force "0".

Item Code	Item Name	Load Capacity	Load Capacity	Weight	Box	Carton
120-043-980	SCC-40	250 N	25 kgf	36 g	40 pcs	400 pcs

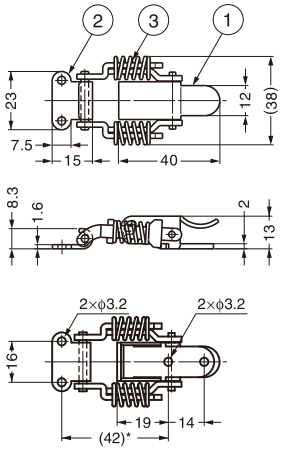
No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Polished
②	Counter Plate	Stainless Steel (SUS304)	Polished

LAMP. COMPRESSION DRAW LATCH SCCA-40

Latest Info



- Built in spring



*Dimension shown is in case of clamping force "0".

Item Code	Item Name	Load Capacity	Load Capacity	Weight	Carton
120-049-179	SCCA-40	200 N	20 kgf	38 g	200 pcs

No.	Part Name	Material	Finish
①	Body	Steel	Clear Zinc Chromate
②	Counter Plate	Steel	Clear Zinc Chromate
③	Spring	Steel	-

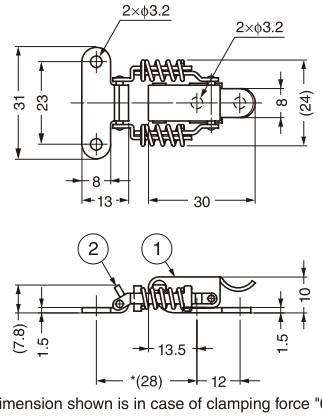
LAMP. STAINLESS STEEL COMPRESSION DRAW LATCH SCC-30

Latest Info



- Made entirely out of stainless steel
- Built in spring

SUS



*Dimension shown is in case of clamping force "0".

Item Code	Item Name	Load Capacity	Load Capacity	Weight	Box	Carton
120-040-693	SCC-30	200 N	20 kgf	15 g	100 pcs	1,000 pcs

No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Polished
②	Counter Plate	Stainless Steel (SUS304)	Polished

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

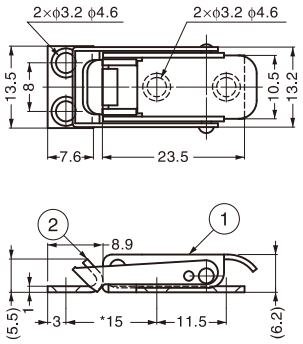
SELECTION GUIDE
TOUCH LATCHES
MAGNETIC CATCHES
KNUCKLE/ TENSION CATCHES
PUSH KNOB LATCHES
LEVER LATCHES
DRAW LATCHES
SLIDE/ BARREL BOLTS

LAMP STAINLESS STEEL DRAW LATCH SCC-25

Latest Info



- Made entirely out of stainless steel
- When closed, the spring is not visible for a clean and sleek design.
- Built in spring



*Dimension shown is in case of clamping force "0".

No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Polished
②	Counter Plate	Stainless Steel (SUS304)	Polished

Item Code	Item Name	Load Capacity	Load Capacity	Weight	Box	Carton
120-021-949	SCC-25	100 N	10 kgf	6 g	100 pcs	1,000 pcs

LAMP STAINLESS STEEL DRAW LATCH SCC-TF30

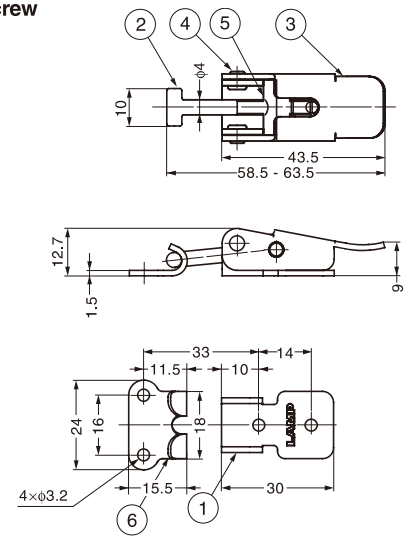
Latest Info



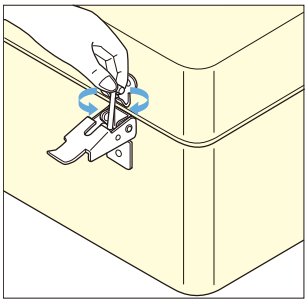
- Adjustment shaft can be twisted to adjust length post installation.

TEST METHOD 7 | SUS

Recommended Screw
- Pan head screw M3



Adjustment



No.	Part Name	Material	Finish
①	Base	Stainless Steel (SUS304)	Mirror
②	Arm	Stainless Steel	–
③	Lever	Stainless Steel (SUS304)	Mirror
④	Shaft	Stainless Steel (SUS303)	Plain
⑤	Adjustment Shaft	Stainless Steel (SUS303)	Plain
⑥	Counter Plate	Stainless Steel (SUS304)	Mirror

Item Code	Item Name	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
120-028-716	SCC-TF30	500 N	51 kgf	32 g	100 pcs	400 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP CORNER FASTENER (W/ LOCK) STF-C64

Latest Info



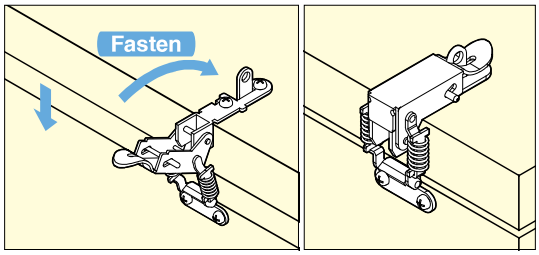
- Latch mounts on corner to draw perpendicular surfaces togegther.
- Designed to allow front operation.
- Padlock and secondary catch options.
- Pull lever and lift latch to open.
- Available with or without spring.

SUS

Sold Separately

- Sealing pin 502-7SS, 502-9SS, 613-9SS (P.403)
- Optional counter plate 02-613SS, 07-613SS (P.403)

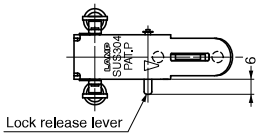
Application

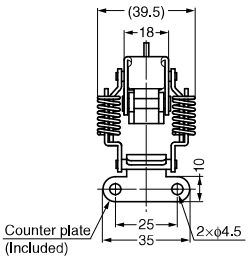


STF-C64A Dimensions and Clamping Force

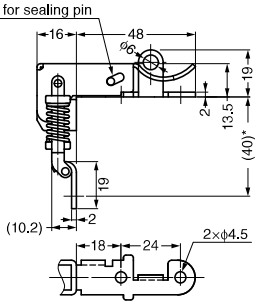
Clamping Margin mm	Clamping Force N	Clamping Force kgf
1	15	1.5
2	30	3.1
3	45	4.6
4	60	6.1

STF-C64A
: Lid gasket not required.

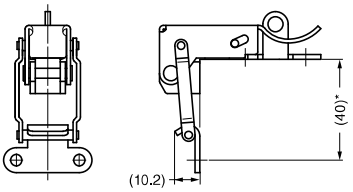




Hole for sealing pin



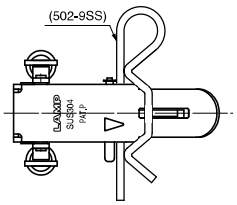
STF-C64B
: Lid gasket required.



*Clamping Force=0mm shown

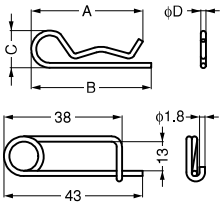
Item Code	Item Name	Type	Door Thickness	Load Capacity		Material	Finish	Weight	Box	Carton
120-042-200	STF-C64A	With Spring	14 - 28	330N	34kgf	Stainless Steel (SUS304)	Mirror	66.5 g	15 pcs	210 pcs
120-042-201	STF-C64B	Without Spring	14 - 28	330N	34kgf	Stainless Steel (SUS304)	Mirror	60 g	15 pcs	210 pcs

Sealing Pin



- Prevents accidental unlock.

Material	Finish
Stainless Steel (SUS304)	Plain

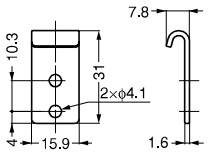


Item Code	Item Name	A	B	C	D
120-041-823	502-9SS	63	66	18	2.6
120-041-825	613-9SS	55	59	15	2.3

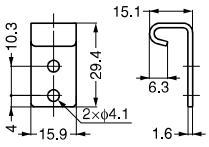
Item Code	Item Name
120-041-822	502-7SS

Counter Plate

Material	Finish
Stainless Steel (SUS304)	Polished



Item Code	Item Name
120-040-421	02-613SS

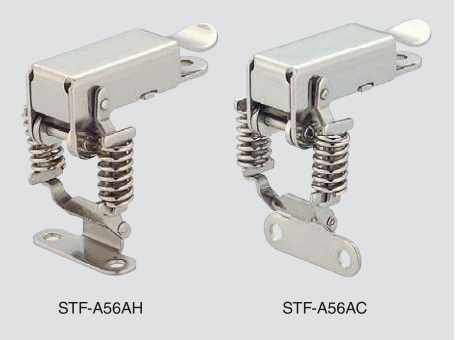


Item Code	Item Name
120-040-452	07-613SS

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

CORNER FASTENER STF-A56

Latest Info

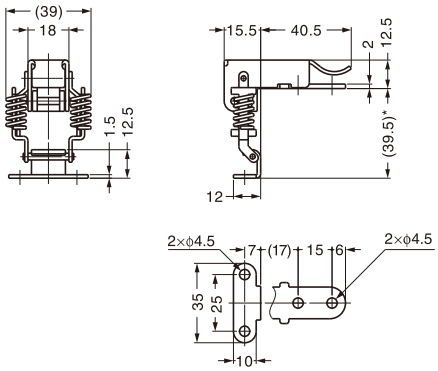


STF-A56AH STF-A56AC

- Latch mounts on corner to draw perpendicular surfaces together.
- Designed to allow front operation.
- Available in two different counter plate styles.
- Provides constant holding tension for secure latching.

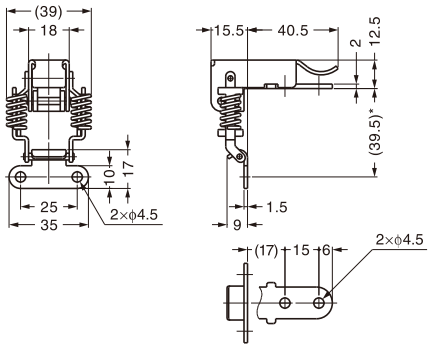
SUS

STF-A56AH



*Dimension shown in case of clamping force "0".

STF-A56AC



*Dimension shown in case of clamping force "0".

Item Code	Item Name	Material	Finish	Weight
120-040-480	STF-A56AH	Stainless Steel (SUS304)	Mirror	57 g

Item Code	Item Name	Material	Finish	Weight
120-040-479	STF-A56AC	Stainless Steel (SUS304)	Mirror	56 g

LAMP STAINLESS STEEL DRAW LATCH PN-51

Latest Info



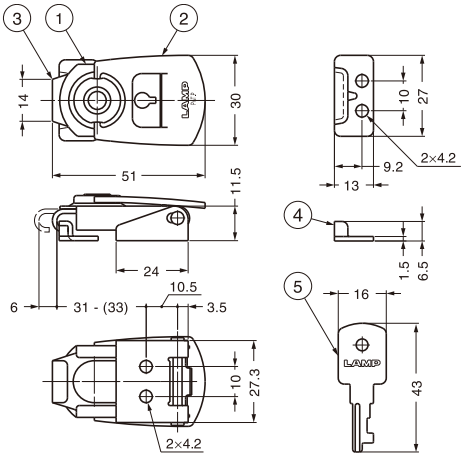
- High corrosion resistance.

TEST METHOD 7 TEST METHOD 17 SUS

Remarks

- Key changes are not available.

Feature



No.	Part Name	Material	Finish
①, ②	Body, Lever	Stainless Steel (SUS304)	Plain
③	Hook	Stainless Steel (SUS304)	Plain
④	Counter Plate	Stainless Steel (SUS304)	Plain
⑤	Key	Steel	Nickel

Item Code	Item Name	Load Capacity		Weight	Box	Carton
120-040-489	PN-51	686 N	70 kgf	50 g	40 pcs	240 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. BAR LATCH BLL2 For 2-way Mounting NEW

Latest Info



BLL2-80 Closed　　BLL2-80 Open

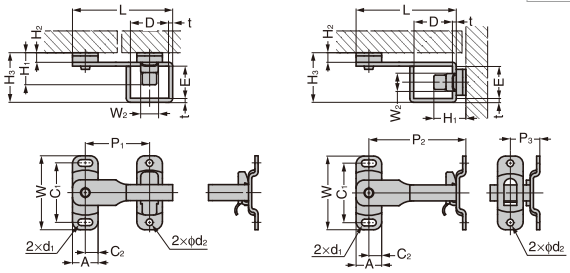
- Parallel surface mounting and orthogonal mounting are possible.
- Spring force holds the latch down, preventing it from slipping open due to vibration, etc.
- Push the PUSH part to release the latch.
- When installed in reverse, just push the PUSH part once to release the latch (see the Application Example).

SUS

Feature

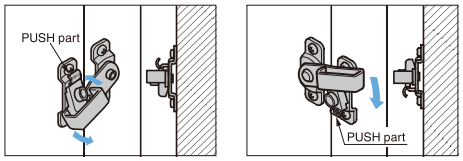
Parts Included

- Pan head tapping screw (stainless steel)



Parallel Surface Mounting　　Orthogonal Mounting

Application Example



Reverse position　　Normal position

Can be used in either normal or reverse position.
When installed reversely, latch bolt is easily released with a single push.

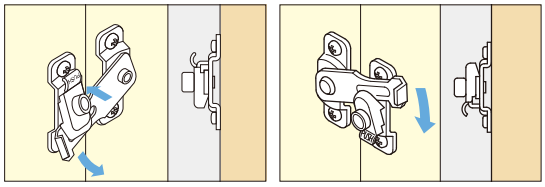
Material	Finish
Stainless Steel (SUS304)	Polished

Item Code	Item Name	L	W	A	P1	P2	P3	C1	C2	H1	H2	H3	D	E	t	W2	d1	d2	Screw
140-049-994	BLL2-45	47	40	13	26.5	45	16.5	32	6.5	17	4.5	28.5			2	10	3.2×7.2	3.2	3×10
140-049-995	BLL2-60	62.5	46	16	40	60.5	18.5	37	8	20	6	31	24	20	2.5	12	4.2×9.2	4.2	3.5×16
140-049-996	BLL2-80	83	65	19	58.5	80.5	20	53	9.5	22.5	7	33			3	14	5×11	5	4.5×16
140-049-997	BLL2-100	104	80	23	75.5	100.5	23	66	11.5	26.5	8	38	26	22	4	17	5.5×11.5	5.5	5×20

LAMP. SPRING LOADED BAR LATCH BLL

Latest Info





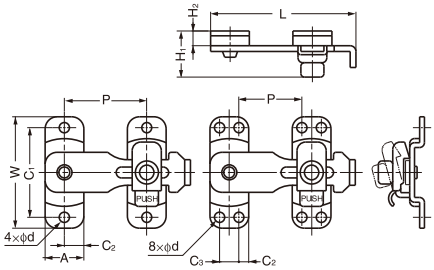
- Ideal for harsh and high corrosion environments.
- Latch bolt snaps into the strike to prevent accidental release.
- Push tab on strike to release.

SCREW　SUS

Feature

Parts Included

- Pan head tapping screw (SUS)



BLL-45, 60, 80, 100　　BLL-120, 150

Material	Finish
Stainless Steel (SUS304)	Polished

Item Code	Item Name	L	W	A	C1	C2	C3	H1	H2	P	d	Screw	Weight	Box	Carton
140-059-073	BLL-45	48	40	13	32	6.5	–	17	4.5	23± 3	3.2	3 ×10	28 g	20 pcs	400 pcs
140-059-074	BLL-60	63	46	16	37	8	–	20	6	34± 4	4.2	3.5×16	50 g	20 pcs	400 pcs
140-059-075	BLL-80	85	65	20	53	10	–	22.5	7	47± 7	5	4.5×16	100 g	10 pcs	200 pcs
140-059-076	BLL-100	105	80	25	66	12.5	–	26.5	8	59± 7	5.5	5 ×20	182 g	10 pcs	100 pcs
140-059-183	BLL-120	127	100	28.5	80	6.75	15	28	8	56±10	5.2	5 ×20	270 g	8 pcs	80 pcs
140-059-184	BLL-150	155	120	30.5	95	7.25	16	28	8	74±14	5.2	5 ×20	350 g	6 pcs	60 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

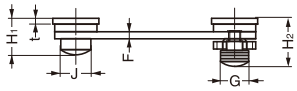
LAMP. BAR LATCH BLT

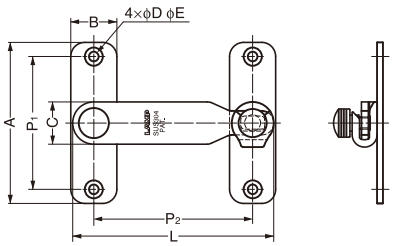
Latest Info



- Ideal for harsh and high corrosion environments.
- Mirror finish.
- Thick material used for durability.
- With thumb screw on bar to prevent accidental release.

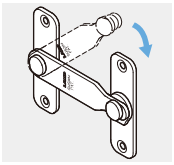
Feature





SUS SCREW

Parts Included
- Countersunk head wood screw (SUS)



Material	Finish
Stainless Steel (SUS304)	Mirror

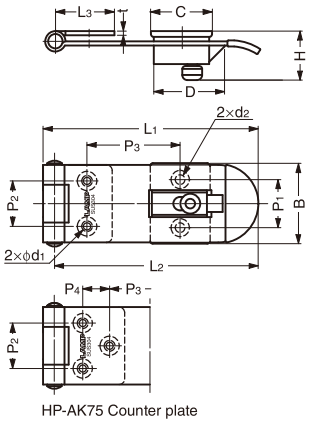
Item Code	Item Name	L	P1	P2	A	B	C	D	E	F	G	H1	H2	J	t	Screw	Weight	Box	Carton
140-050-252	BLT-45	45	30	33	40	14	12	3.5	6	2	9	12	16	9	2	3.1×20	31 g	20 pcs	400 pcs
140-050-253	BLT-60	60	37	45	48	17	15	3.8	7.5	2.5	10	14.5	17.5	10.8	2	3.1×20	54 g	20 pcs	400 pcs
140-050-254	BLT-80	80	53	62	65	21	18	4.3	8	3	12	17	22	13	3	3.5×20	95 g	10 pcs	200 pcs
140-050-255	BLT-100	100	66	79	80	24	21	4.8	9	4	14	19.8	25.5	15	3	3.8×20	177 g	10 pcs	100 pcs
140-050-256	BLT-120	120	73	98	90	28	24	5.1	10	4	16	22	27.5	18.5	4	4.5×20	243 g	8 pcs	80 pcs

LAMP. STAINLESS STEEL HASP (W/LATCH) HP-AK

Latest Info



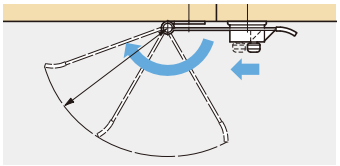
- Snap on the flap to keep latch closed.
- Ideal for harsh and high corrosion environments.
- Plastic cap on end to reduce noise.



HP-AK75 Counter plate

SUS SCREW

Parts Included
- Countersunk head wood screw (SUS)



Slide the latch knob to release.

Feature

Material	Finish
Stainless Steel (SUS304)	Polished

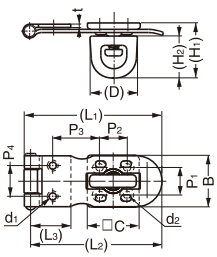
Item Code	Item Name	L1	L2	L3	B	P1	P2	P3	P4	H	C	D	t	d1	d2	Screw	Weight	Box	Carton
140-180-801	HP-AK50	51	48	13	22.2	13.5	12	19	–	16.6	18	20.5	1.2	3	3.3	2.4×13	22 g	25 pcs	250 pcs
140-180-802	HP-AK65	66	63	19	24.2	13.5	14	28	–	16.6	18	20.5	1.5	3.2	3.3	2.7×16	35 g	20 pcs	200 pcs
140-180-803	HP-AK75	76	72	24.8	27.4	17	16	35	9.5	17.5	21.2	25	1.5	3.8	3.4	2.7×16	48 g	15 pcs	150 pcs

LAMP. STAINLESS STEEL HASP HP

Latest Info



- Rotating padlock eye allows hasp to stay fastened tight without a padlock.
- Ideal for harsh and high corrosion environments.



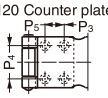
HP-40, 50, 65 Counter plate



HP-75, 100 Counter plate



HP-120 Counter plate



SUS SCREW

Parts Included
- Countersunk head wood screw (SUS)

Feature



Material	Finish
Stainless Steel (SUS304)	Polished

Item Code	Item Name	L1	L2	L3	B	P1	P2	P3	P4	P5	H1	H2	C	D	t	d1	d2	Screw	Weight	Box	Carton
140-050-224	HP-40	40	37	13	22	13	6.4	10.8	12	–	22	17.9	15.3	17.7	1.2	2×ϕ3	2×ϕ3	2.4×13	21.5 g	30 pcs	300 pcs
140-050-225	HP-50	50	47	13	22.3	13	9	16	12	–	22	17.9	18.3	17.7	1.2	2×ϕ3	2×ϕ3	2.4×13	24 g	25 pcs	250 pcs
140-050-226	HP-65	65	62	19	24	13	13	21.5	14	–	24.5	20.4	24.5	22.5	1.5	2×ϕ3.2	4×ϕ3.2	2.7×16	41.5 g	20 pcs	200 pcs
140-050-227	HP-75	75	72	24.8	27	15	15	15	16	9.5	27.4	22	27.8	23.2	1.5	3×ϕ3.8	4×ϕ3.8	2.7×16	51.5 g	15 pcs	150 pcs
140-050-228	HP-100	100	95	30	35.5	19	19	29	21	10	32.2	27.9	35.5	31	2	3×ϕ4	4×ϕ4.5	3.5×20	118.5 g	10 pcs	100 pcs
140-050-229	HP-120	120	115	35.5	40	21	21	38	26	15	34.8	27.9	40.5	31	2.5	4×ϕ5.2	4×ϕ5.2	3.5×20	172 g	8 pcs	80 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. BARREL BOLT BL

Latest Info

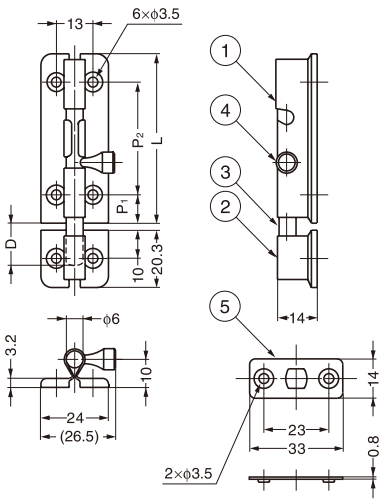


- Ideal for harsh and high corrosion environments.
- 2 counter plates included for different mountings.

SUS SCREW

Feature

Parts Included
- Countersunk head wood screw 2.7×16 (SUS)



No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Strike	Stainless Steel (SUS304)	Satin
③	Bar	Brass	Nickel
④	Knob	Brass	Nickel
⑤	Counter Plate	Stainless Steel (SUS304)	Satin

Item Code	Item Name	L	P_1	P_2	D	Weight	Box	Carton
140-050-247	BL-40	40	7.5	25	11	36 g	30 pcs	450 pcs
140-051-053	BL-60	60	10	40	15	50 g	30 pcs	450 pcs

LAMP. SPRING LOADED BARREL BOLT BL-S

Latest Info

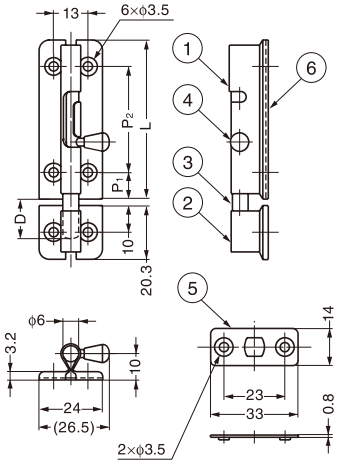


- Ideal for harsh and high corrosion environments.
- Knob springs back into sleeve to keep bolt in locked or unlocked position.
- Can be installed vertically or horizontally.
- 2 counter plates included for different mountings.

SUS SCREW

Feature

Parts Included
- Countersunk head wood screw 2.7×16 (SUS)



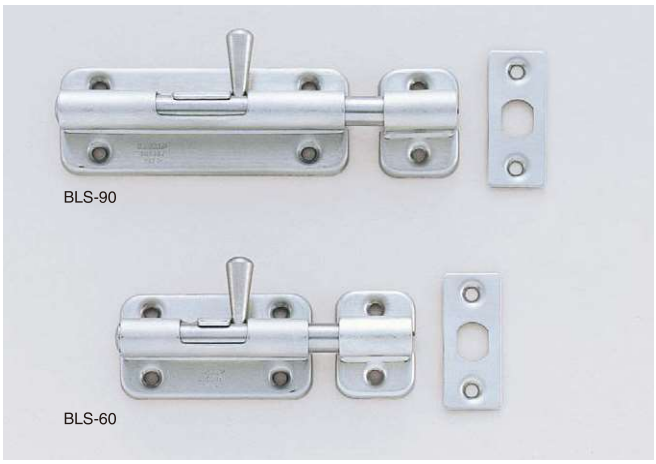
No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Strike	Stainless Steel (SUS304)	Satin
③	Bar	Stainless Steel (SUS303)	Plain
④	Knob	Stainless Steel (SUS303)	Plain
⑤	Counter Plate	Stainless Steel (SUS304)	Satin
⑥	Plate	Stainless Steel (SUS304)	Polished

Item Code	Item Name	L	P_1	P_2	D	Weight	Box	Carton
140-050-245	BL-40S	40	7.5	25	11	36 g	30 pcs	450 pcs
140-050-246	BL-60S	60	10	40	15	50 g	30 pcs	450 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. SPRING LOADED BARREL BOLT BLS

Latest Info



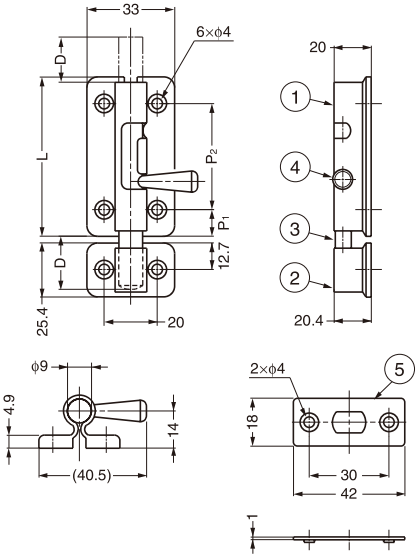
- Ideal for harsh and high corrosion environments.
- Knob springs back into sleeve to keep bolt in locked or unlocked position.
- Can be installed vertically or horizontally.
- 2 counter plates included for different mountings.

SUS | SCREW

Feature

Parts Included

- Countersunk head wood screw 3.5×20 (SUS)



No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Strike	Stainless Steel (SUS304)	Satin
③	Bar	Stainless Steel (SUS303)	–
④	Knob	Stainless Steel (SUS303)	–
⑤	Counter Plate	Stainless Steel (SUS304)	Satin

Item Code	Item Name	L	P_1	P_2	D	Weight	Box	Carton
140-052-000	BLS-60	60	10	40	17	109 g	20 pcs	200 pcs
140-052-001	BLS-90	90	12.5	65	24	147 g	15 pcs	150 pcs

LAMP. BARREL BOLT BS

Latest Info



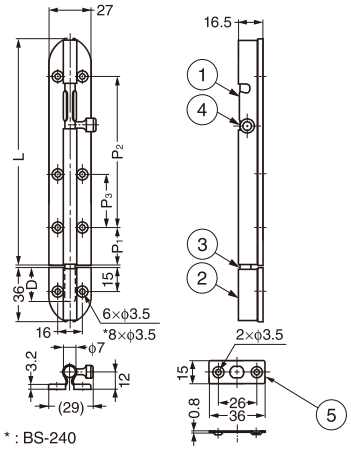
- Ideal for harsh and high corrosion environments.
- Can be installed vertically or horizontally.
- 2 counter plates included for different mountings.

SUS | SCREW

Feature

Parts Included

- Countersunk head wood screw 3.1×16 (SUS)



* : BS-240

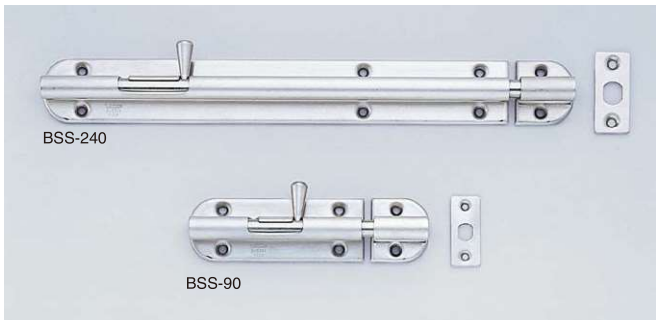
No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Strike	Stainless Steel (SUS304)	Satin
③	Bar	Brass	Nickel
④	Knob	Brass	Nickel
⑤	Counter Plate	Stainless Steel (SUS304)	Satin

Item Code	Item Name	L	P_1	P_2	P_3	D	Weight	Box	Carton
140-051-050	BS-90	90	14.5	58	–	24	85 g	30 pcs	300 pcs
140-051-051	BS-150	150	25	100	–	24	125 g	20 pcs	200 pcs
140-051-052	BS-240	240	18.5	192	71	30	190 g	10 pcs	100 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SPRING LOADED BARREL BOLT BSS

Latest Info



- Ideal for harsh and high corrosion environments.
- Knob springs back into sleeve to keep bolt in locked or unlocked position.
- Can be installed vertically or horizontally.
- 2 counter plates included for different mountings.

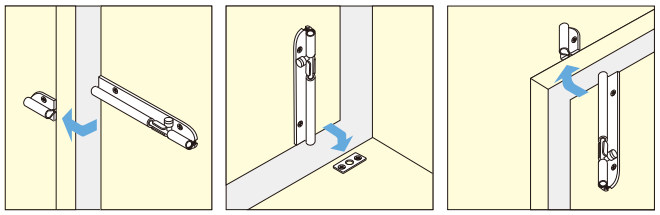
SUS SCREW

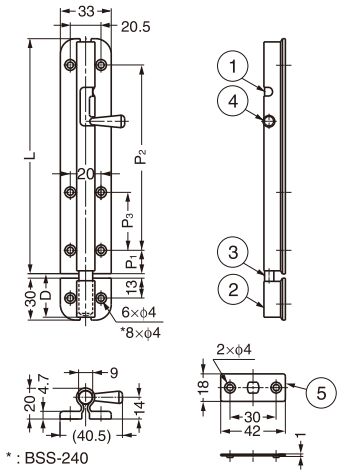
Feature

Parts Included

- Countersunk head wood screw 3.1×20 (SUS)

Application Example



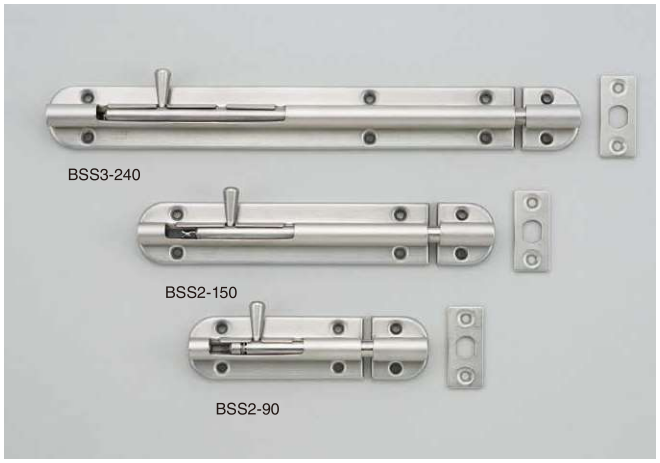


No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Strike	Stainless Steel (SUS304)	Satin
③	Bar	Stainless Steel (SUS303)	–
④	Knob	Stainless Steel (SUS303)	–
⑤	Counter Plate	Stainless Steel (SUS304)	Satin

Item Code	Item Name	L	P_1	P_2	P_3	D	Weight	Box	Carton
140-052-002	BSS-90	90	13	60	–	24	142 g	15 pcs	150 pcs
140-052-003	BSS-150	150	15	115	–	32	215 g	10 pcs	100 pcs
140-052-004	BSS-240	240	15	205	60	32	330 g	6 pcs	60 pcs

LAMP SPRING LOADED BARREL BOLT BSS2, BSS3

Latest Info



- Extra sleeve for locking offers flexibility in application.
- Ideal for harsh and high corrosion environments.
- Knob springs back into sleeve to keep bolt in locked or unlocked position.
- Can be installed vertically or horizontally.
- 2 counter plates included for different mountings.

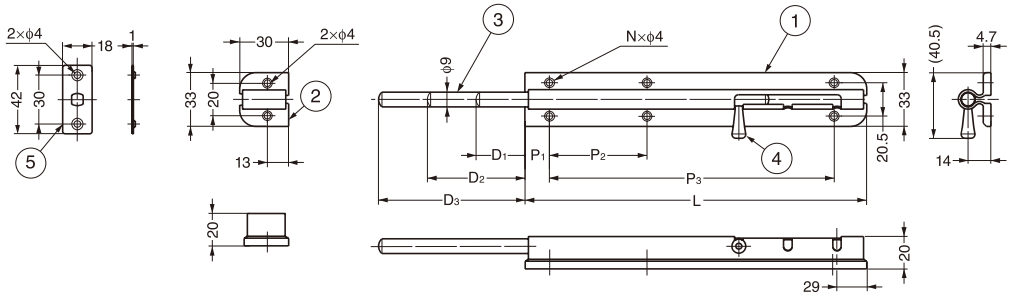
SUS SCREW

Feature Feature

Parts Included

- Countersunk head wood screw 3.5×20 (SUS)

No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Strike	Stainless Steel (SUS304)	Satin
③	Bar	Stainless Steel (SUS303)	–
④	Knob	Stainless Steel (SUS303)	–
⑤	Counter Plate	Stainless Steel (SUS304)	Satin

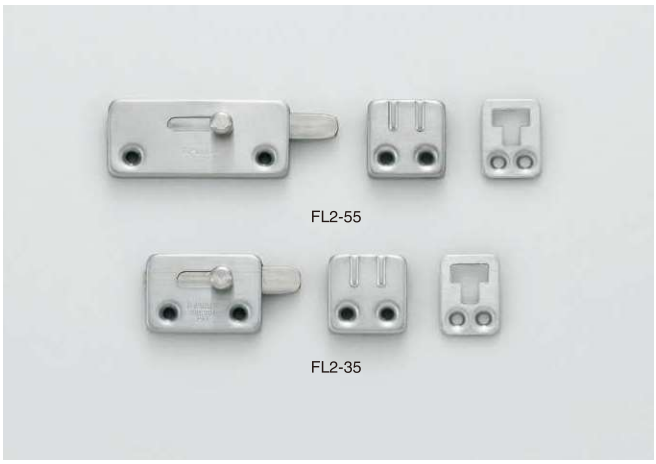


Item Code	Item Name	L	L_2	P_1	P_2	P_3	D_1	D_2	D_3	N	Weight	Box	Carton
140-050-042	BSS2-90	90	14	13	–	60	21	42	–	4	140 g	15 pcs	150 pcs
140-050-041	BSS2-150	150	18	15	–	115	30	60	–	4	212 g	10 pcs	100 pcs
140-050-043	BSS3-240	240	–	15	60	205	30	60	90	6	320 g	6 pcs	60 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SLIDE BOLT FL2

Latest Info

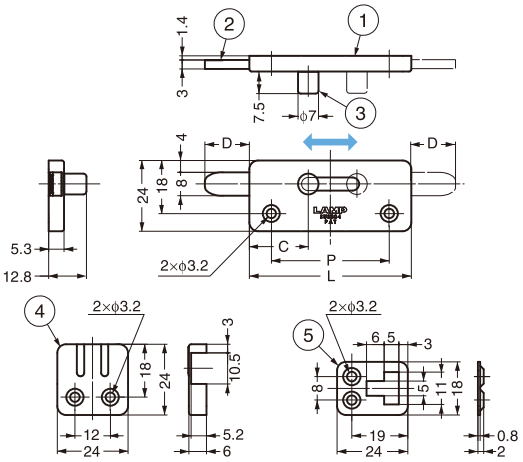


- Ideal for harsh and high corrosion environments.
- Slide the latch knob to release.
- Easy installation, flat and compact design for various application.
- 2 different counter plates included for different mountings.

SUS | SCREW

Feature

Parts Included
- Countersunk head tapping screw 2.7×16 (SUS)

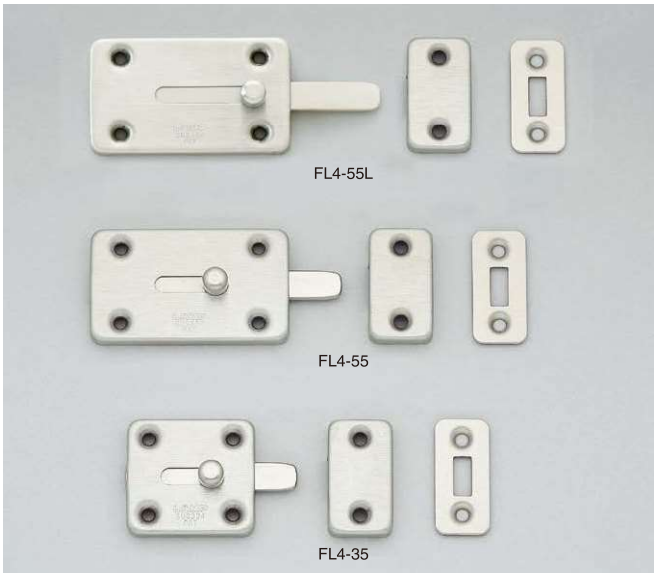


No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Bar		Barrel Polished
③	Knob	Stainless Steel (SUS303)	Satin
④	Counter Plate A	Stainless Steel (SUS304)	
⑤	Counter Plate B	Stainless Steel	

Item Code	Item Name	L	P	C	D	Finish	Weight	Box	Carton
140-180-136	FL2-35	35	21	11.5	12	Satin	28 g	30 pcs	300 pcs
140-180-137	FL2-55	55	40	20	15	Satin	39 g	30 pcs	300 pcs

LAMP SLIDE BOLT FL4

Latest Info

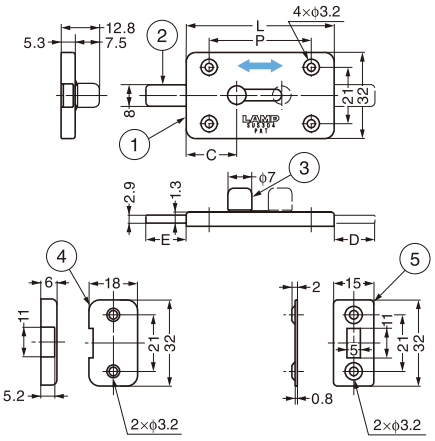


- Ideal for harsh and high corrosion environments.
- Slide the latch knob to release.
- Easy installation, flat and compact design for various application.
- 2 different counter plates included for different mountings.

SUS | SCREW

Feature

Parts Included
- Countersunk head tapping screw 2.7×16 (SUS)



No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Bar		Barrel Polished
③	Knob	Stainless Steel (SUS303)	Satin
④	Counter Plate A	Stainless Steel (SUS304)	
⑤	Counter Plate B		

Item Code	Item Name	L	P	C	D	E	Finish	Weight	Box	Carton
140-180-863	FL4-35	35	23	11.5	12	12	Satin	32 g	30 pcs	300 pcs
140-180-864	FL4-55	55	38	20	15	15	Satin	47 g	30 pcs	300 pcs
140-012-131	FL4-55L	55	38	20	25	15	Satin	47 g	30 pcs	300 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

Zwei L STAINLESS STEEL LEVER BOLT ZL-2402

Latest Info



- A thumbturn lever bolt with an indicator for use on glass and wooden doors.
- Made from stainless steel (SUS316) for superior corrosion resistance.
- Uses our Zwei L finish which is created by using advanced polishing technology. It combines a high quality satin finish with a lustrous rich mirrored polish.
- Internal mechanism uses a lever to draw the door to the frame when locking.
- Comes with a trigger (safety feature) so that the lock cannot engage when the door is not closed.

SUS316

Parts Included

- Size M4 countersunk hex socket bolt (for door mounting)
- Size M3 countersunk hex socket bolt (for cover mounting)

*The required screws differ depending on the door thickness. See the Types of Screws Included table for details.

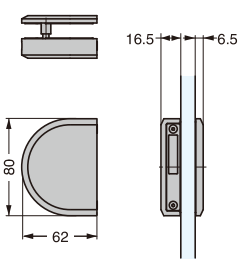
Sold Separately

- Strike box ZL-2402-B
- Strike plate ZL-2402-FB

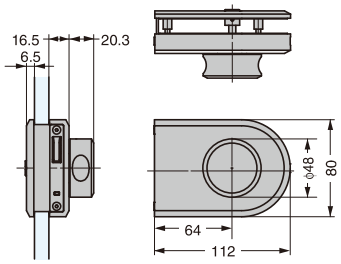
Concept



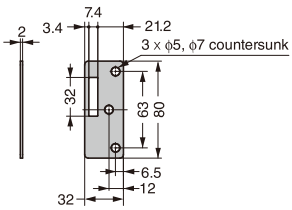
The indicator colour enables easy visibility, allowing you to see clearly whether the door is locked or unlocked.



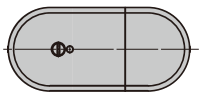
Single item (strike box)



Single item (body)

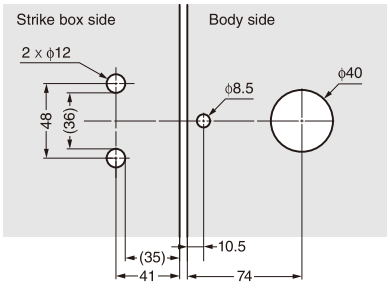


Single item (strike plate)

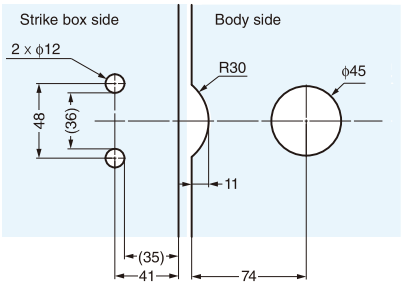


When combined (indicator side)

Cut Out Dimensions: When using strike box

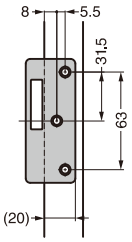


Wooden Doors

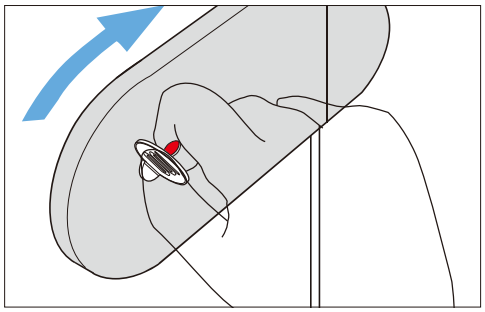


Glass Doors

Application Example with Wooden Door and Strike Plate

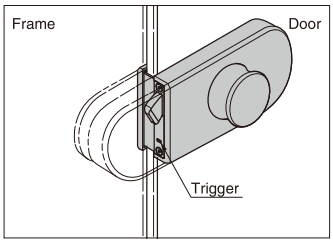


Emergency Unlocking Method



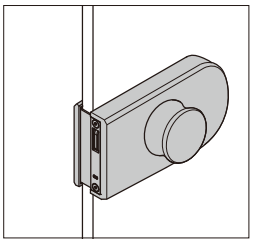
The indicator has a feature which enables unlocking the door from outside in an emergency. To unlock, rotate the centre 90° with a coin, etc. as shown in the figure above.

With Safety Feature



The trigger senses whether the door is open or closed, and only enables the thumbturn to be turned all the way when the door is closed.

Flat when Door is Open



When the door is open, the lever and trigger lie flat and do not protrude.

Types of Screws Included	Quantity	For Glass Door	For Wooden Door		
		Thickness 10 - 12	Thickness 33 - 37	Thickness 38 - 42	Thickness 43 - 45
Countersunk Hex Socket Bolt (for door mounting)	3	M4 × 20	M4 × 45	M4 × 50	M4 × 55
Countersunk Hex Socket Bolt (for cover mounting)	1	M3 × 10			
	2	M3 × 8			

Main Body

Item Code	Item Name	Specifications	Board Thickness (mm)	Material	Finish	Box (sets)
140-050-402	ZL-2402-G	For Glass Door	10 - 12.7	Stainless Steel (SUS316)	Zwei L Finish	1
140-040-967	ZL-2402-W	For Wooden Door	33 - 45			1

Strike Box (sold separately)

Item Code	Item Name	Specifications	Material	Finish	Box (sets)
140-040-968	ZL-2402-B	For Glass or Wooden Door	Stainless Steel (SUS316)	Zwei L Finish	1

Strike Plate (sold separately)

Item Code	Item Name	Specifications	Material	Finish
140-040-975	ZL-2402-FB	For Wooden Door	Stainless Steel (SUS316)	Zwei L Finish

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP LEVER BOLT (W/INDICATOR) HCZ-80 NEW

Latest Info



Satin Nickel Plating (For Glass Door)

Chrome Plating (For Glass Door)

- A thumbturn lever bolt with an indicator for use on glass and wooden doors.
- Internal mechanism pulls the door to the frame when locked, limiting unintended movement of door and frame.
- Comes with a trigger (safety feature) so that the lock cannot engage when the door is not closed.
- When the door is open, the lever and trigger lie flat and do not protrude.

INSTRUCTION | TEMPERED GLASS | SCREW

Feature

Parts Included

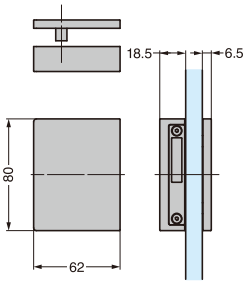
- Size M4 countersunk hex socket bolt (for door mounting)
- Size M3 countersunk hex socket bolt (for cover mounting)
  *The required screws differ depending on the door thickness. See the Types of Screws Included table for details.

Sold Separately

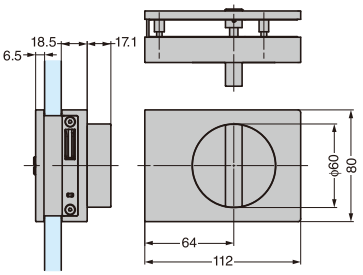
- Strike box HCZ-80B-CR, HCZ-80B-SN
- Strike plate ZL-2402-FB



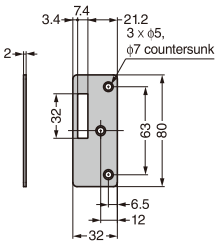
The indicator colour enables easy visibility, allowing you to see clearly whether the door is locked or unlocked.



Single item (strike box)

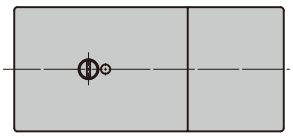


Single item (body)

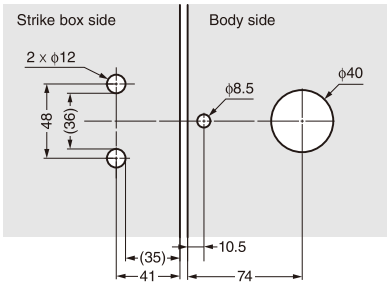


Single item (strike plate)

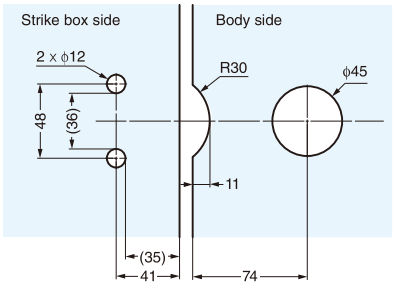
Cut Out Dimensions: When using strike box



When combined (indicator side)

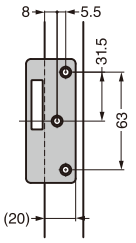


Wooden Doors

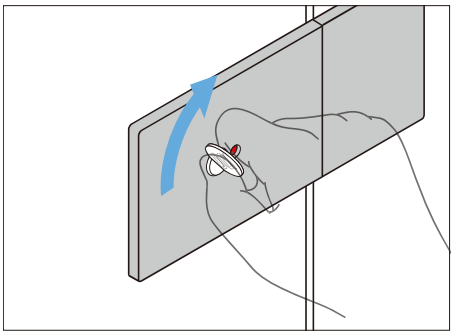


Glass Doors

Application Example with Strike Plate

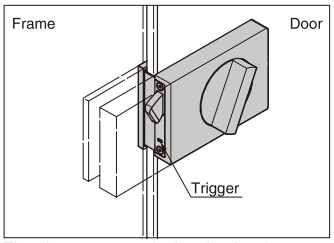


Emergency Unlocking Method



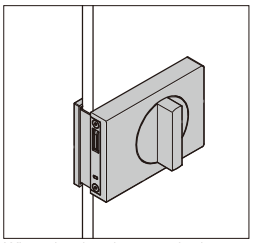
The indicator has a feature which enables unlocking the door from outside in an emergency. To unlock, rotate the centre 90° with a coin, etc. as shown in the figure above.

With Safety Feature



The trigger senses whether the door is open or closed, and only enables the thumbturn to be turned all the way when the door is closed.

Flat when Door is Open



When the door is open, the lever and trigger lie flat and do not protrude.

Types of Screws Included	Quantity	For Glass Door	For Wooden Door		
		Thickness 10 - 12	Thickness 33 - 37	Thickness 38 - 42	Thickness 43 - 45
Countersunk Hex Socket Bolt (for door mounting)	3	M4 × 20	M4 × 45	M4 × 50	M4 × 55
Countersunk Hex Socket Bolt (for cover mounting)	1	M3 × 10			
	2	M3 × 8			

Main Body

Item Code	Item Name	Specifications	Compatible Door Thickness (mm)	Material	Finish	Weight (g)	Box (sets)
140-040-969	HCZ-80G-CR	For Glass Door	10 - 12.7	Zinc Alloy (ZDC)	Chrome Plating	1050	1
140-040-970	HCZ-80G-SN				Satin Nickel Plating		1
140-040-971	HCZ-80W-CR	For Wooden Door	33 - 45		Chrome Plating		1
140-040-972	HCZ-80W-SN				Satin Nickel Plating		1

Strike Box (sold separately)

Item Code	Item Name	Material	Finish	Weight (g)	Box (sets)
140-040-973	HCZ-80B-CR	Zinc Alloy (ZDC)	Chrome Plating	500	1
140-040-974	HCZ-80B-SN		Satin Nickel Plating		1

Strike Plate (sold separately)

Item Code	Item Name	Material	Finish	Weight (g)
140-040-975	ZL-2402-FB	Stainless Steel (SUS316)	Zwei L Finish	50

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. SLIDING DOOR LATCH HC-30R

Latest Info

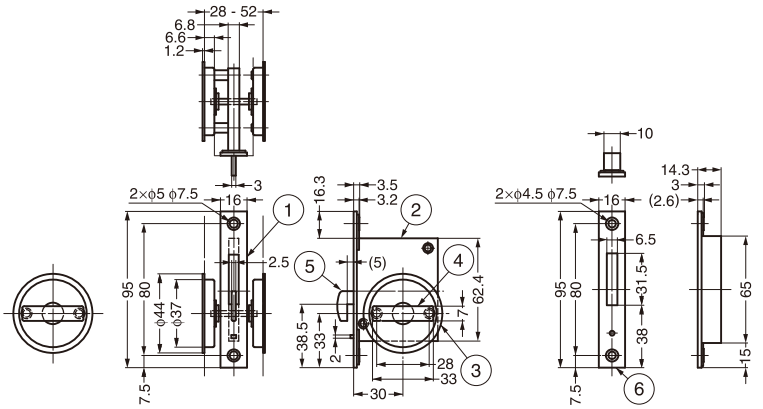


- Ideal for harsh and high corrosion environments.
- Can be locked from both side and prevents unexpected open/close.
- Easy installation, flat and compact design for various application.

SUS | SCREW

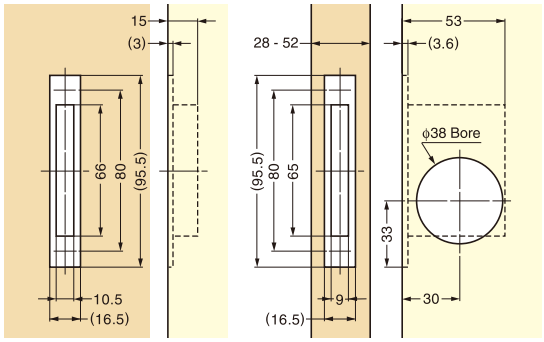
Parts Included

- Countersunk head wood screw 3.5×20 (SUS)



No.	Part Name	Material	Finish
①	Front Plate	Stainless Steel (SUS304)	Satin
②	Body	Steel (SECC)	(Zinc Chromate)
③	Body	Stainless Steel (SUS304)	Polished
④	Thumb	Zinc Alloy	Chrome
⑤	Deadbolt	Stainless Steel (SUS304)	Polished
⑥	Counter Plate	Stainless Steel (SUS304)	Satin

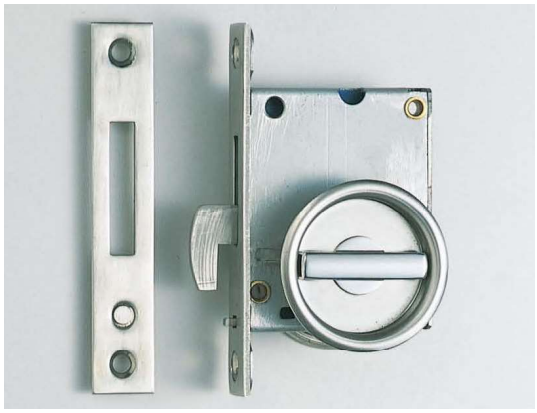
Cut Out Dimensions



Item Code	Item Name	Door Thickness	Weight	Box	Carton
140-022-282	HC-30R	28 - 52	290 g	5 pcs	50 pcs

LAMP. SLIDING DOOR LATCH HC-30

Latest Info



- Ideal for harsh and high corrosion environments.
- Easy installation, flat and compact design for various application.
- Can be unlocked from outside in case of emergency.

SUS | SCREW

Feature

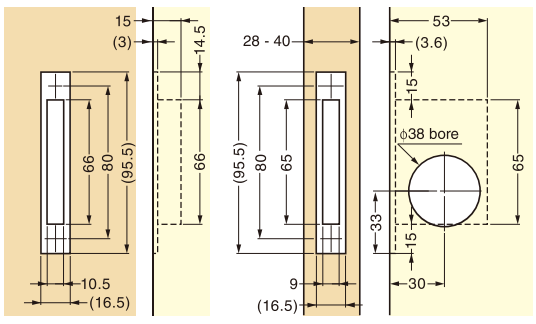
Parts Included

- Countersunk head wood screw 3.5×20 (SUS)



From outside

Cut Out Dimensions

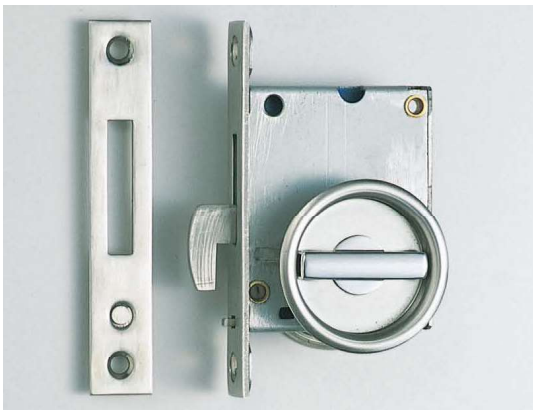


Item Code	Item Name	Door Thickness	Material	Finish	Weight	Box	Carton
140-183-251	HC-30	28 - 40	Stainless Steel (SUS304)	Satin	280 g	5 pcs	50 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. SLIDING DOOR LATCH W/INDICATOR HC-30H

Latest Info



- Ideal for harsh and high corrosion environments.
- Sliding door latch with indicator. (Locked: Red / Unlocked: Blue)
- Easy installation, flat and compact design for various application.
- Can be unlocked from outside in case of emergency.

SUS SCREW

Feature

Parts Included
- Countersunk head wood screw 3.5×20 (SUS)

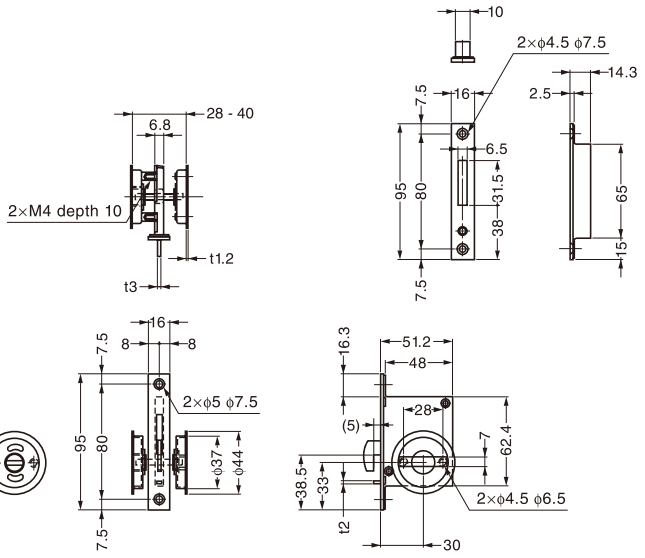
From outside

Locked

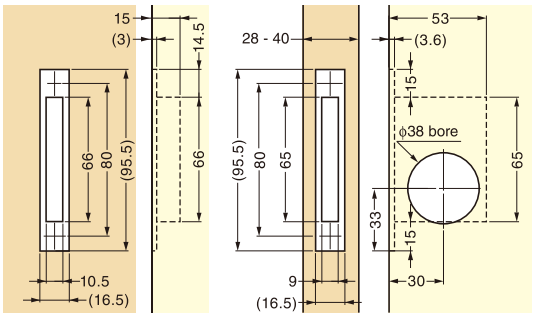


Unlocked





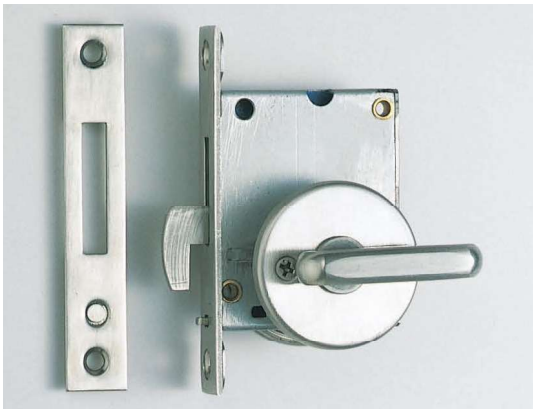
Cut Out Dimensions



Item Code	Item Name	Door Thickness	Material	Finish	Weight	Box	Carton
140-183-250	HC-30H	28 - 40	Stainless Steel (SUS304)	Satin	280 g	5 pcs	50 pcs

LAMP. SLIDING DOOR LATCH HC-30L

Latest Info



- Ideal for harsh and high corrosion environments.
- Large lever for barrier-free design.
- Easy installation, flat and compact design for various application.
- Can be unlocked from outside in case of emergency.

SUS SCREW

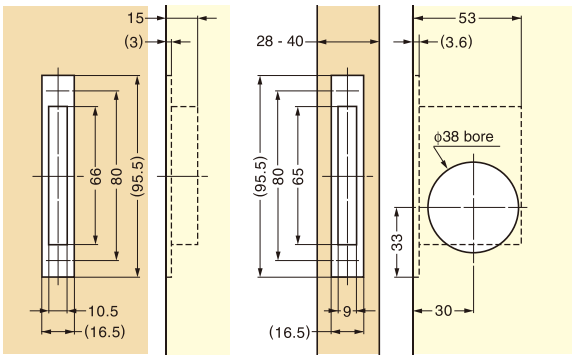
Feature

Parts Included
- Countersunk head wood screw 3.5×20 (SUS)



From outside

Cut Out Dimensions



Item Code	Item Name	Door Thickness	Material	Finish	Weight	Box	Carton
140-183-253	HC-30L	28 - 40	Stainless Steel (SUS304)	Satin	330 g	5 pcs	50 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. SLIDING DOOR LATCH W/INDICATOR HC-30HL

Latest Info



- Ideal for harsh and high corrosion environments.
- Large lever for barrier-free design.
- Sliding door latch with indicator. (Locked: Red / Unlocked: Blue)
- Easy installation, flat and compact design for various application.
- Sliding door latch with indicator.

SUS SCREW

Feature

Parts Included

- Countersunk head wood screw 3.5×20 (SUS)

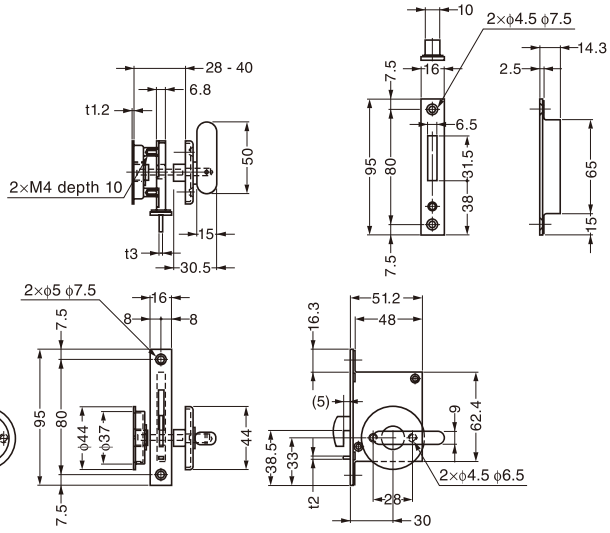
From outside

Locked

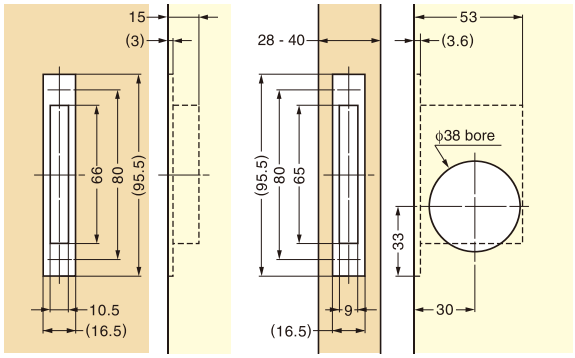


Unlocked





Cut Out Dimensions



Item Code	Item Name	Door Thickness	Material	Finish	Weight	Box	Carton
140-183-252	HC-30HL	28 - 40	Stainless Steel (SUS304)	Satin	344 g	5 pcs	50 pcs

LAMP. SLIDING DOOR LATCH HC-70

Latest Info



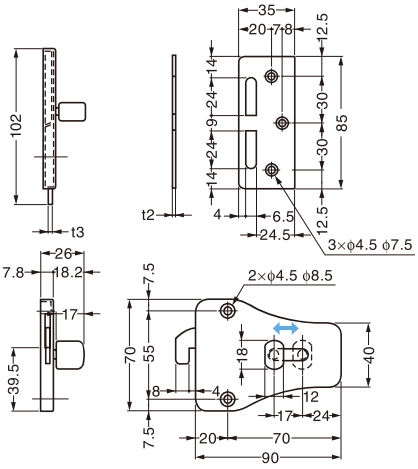
- Ideal for harsh and high corrosion environments.
- Large lever for barrier-free design.
- Easy installation, flat and compact design for various application.

SUS SCREW

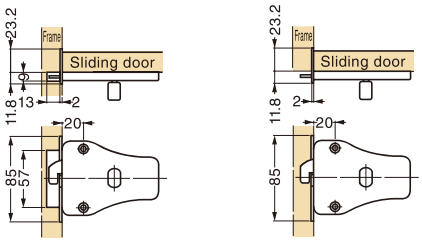
Feature

Parts Included

- Countersunk head wood screw 3.8×20 (SUS)
- Countersunk head wood screw 3.5×20 (SUS)



Application Examples

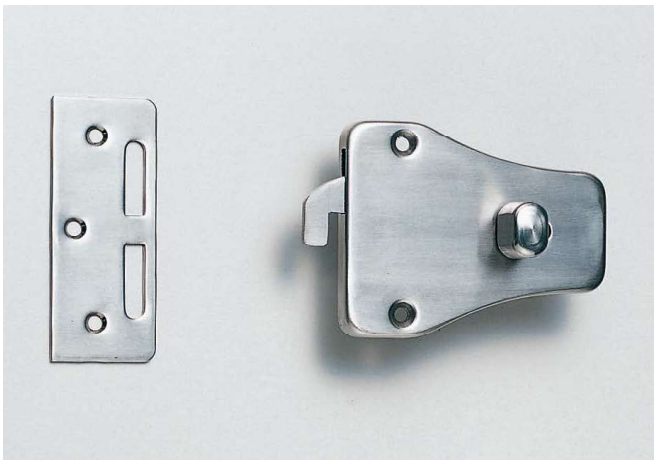


Item Code	Item Name	Material	Finish	Weight	Box	Carton
140-183-255	HC-70	Stainless Steel (SUS304)	Satin	209 g	5 pcs	50 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. SLIDING DOOR LATCH W/INDICATOR HC-70H

Latest Info



- Ideal for harsh and high corrosion environments.
- Large lever for barrier-free design.
- Sliding door latch with indicator. (Locked: Red / Unlocked: Blue)
- Easy installation, flat and compact design for various application.

SUS SCREW

Feature

Parts Included
- Countersunk head wood screw 3.8×20 (SUS)
- Countersunk head wood screw 3.5×20 (SUS)

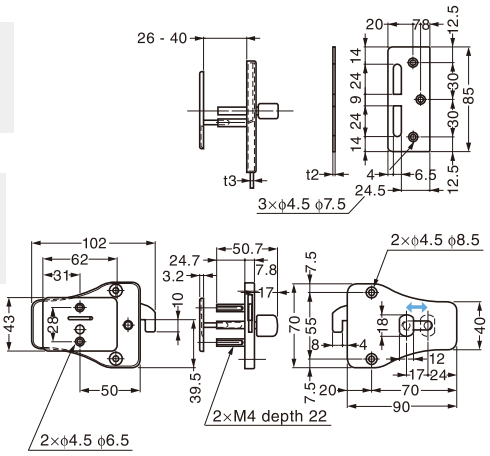
From outside

Locked

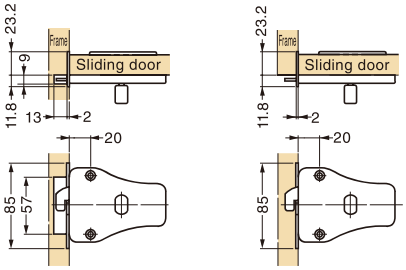


Unlocked

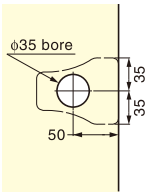




Application Examples



Cut Out Dimensions



Item Code	Item Name	Material	Finish	Weight	Box	Carton
140-183-254	HC-70H	Stainless Steel (SUS304)	Satin	320 g	5 pcs	50 pcs

LAMP. SLIDING DOOR LATCH W/INDICATOR HHC-85

Latest Info



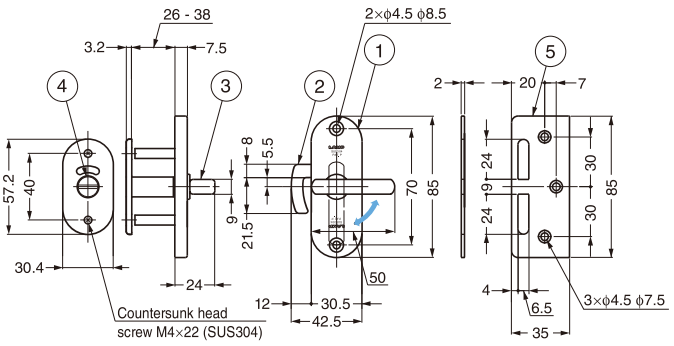


- Ideal for harsh and high corrosion environments.
- Large lever for barrier-free design.
- Non-Handed: Can be installed on left or right side.
- For door thickness: 26 mm-38 mm
- Can be unlocked from outside in case of emergency.
- With indicator. (Locked: Red / Unlocked: Blue)

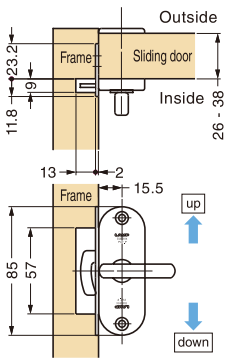
SUS SCREW

Feature

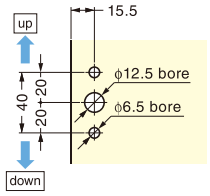
Parts Included
- Countersunk head wood screw 3.8×20 (SUS)
- Countersunk head wood screw 3.5×20 (SUS)



Application Example



Cut Out Dimensions



* Left-handed shown. This will be upside down in case of right-handed application.

No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Deadbolt	Stainless Steel (SUS304)	Polished
③	Lever	Stainless Steel (SUS304)	Polished
④	Shaft	Brass	Chrome
⑤	Counter Plate	Stainless Steel (SUS304)	Satin

Item Code	Item Name	Weight	Box	Carton
140-180-000	HHC-85	120 g	6 pcs	30 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. SLIDING DOOR LATCH W/INSIDE INDICATOR HC-85SS

Latest Info



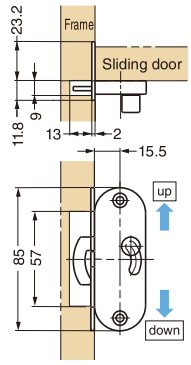
- Ideal for harsh and high corrosion environments.
- Surface mount door latch with indicator. (Locked: Red / Unlocked: Blue)
- Non-Handed: Can be installed on left or right side.

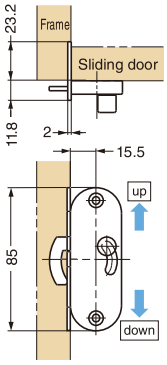
SUS | SCREW

Parts Included

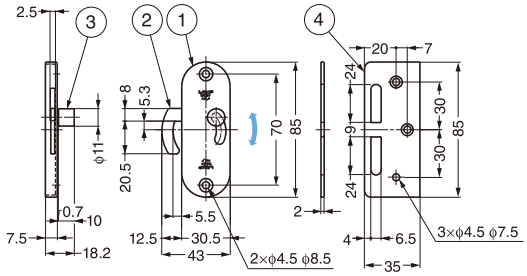
- Countersunk head wood screw 3.8×20 (SUS)
- Countersunk head wood screw 3.5×20 (SUS)

Application Examples





* Left-handed shown. This will be upside down in case of right-handed application.



No.	Part Name	Material
①	Body	Stainless Steel (SUS304)
②	Deadbolt	Stainless Steel (SUS304)
③	Knob	Stainless Steel (SUS303)
④	Counter Plate	Stainless Steel (SUS304)

Item Code	Item Name	Finish	Weight	Box	Carton
140-170-074	HC-85SS	Satin	120 g	20 pcs	100 pcs

LAMP. SLIDING DOOR LATCH W/INSIDE INDICATOR HC-65

Latest Info



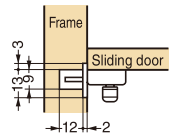
- Ideal for harsh and high corrosion environments.
- Surface mount door latch with indicator. (Locked: Red / Unlocked: Blue)
- Non-Handed: Can be installed on left or right side.

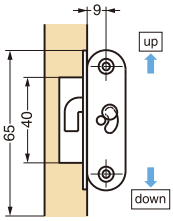
SUS | SCREW

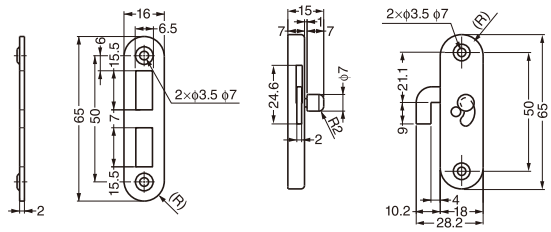
Parts Included

- Raised countersunk head tapping screw 3×16 (SUS)
- Countersunk head tapping screw 3×16 (SUS)

Application Example







Item Code	Item Name	Material	Finish	Weight	Box	Carton
140-180-578	HC-65	Stainless Steel (SUS304)	Satin	41 g	20 pcs	200 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

SLIDING DOOR LATCH HC-3051

Latest Info



- Recessed latch handle for wooden sliding doors.
- 4 bases available.
- Possible to install the backset at any position between 30 mm and 51 mm from the door edge.
- Ideal for narrow lock stile door.
- Applicable door thickness: 35 - 45 mm. 3 different lengths of spindles and 2 different lengths of screws are included.
- Non-handed.

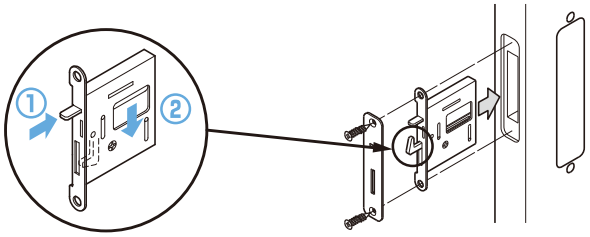
SCREW

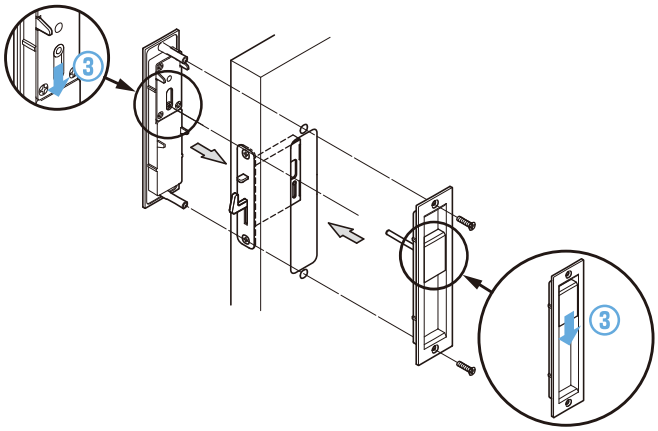
Application

- For residential interior sliding door.

Remarks

- Before inserting the base to the door, make sure to do the 3 steps below. Otherwise, the latch will not work properly.
- The latch can work only when door closed completely.
- MOQ upon request.





Latch Body & Strike



Base



Privacy (PRV) | Indicator (IND) | Cylinder Lock (CLD) | Double sided slide (DSL)

The opposite side of every model has a slide handle as shown for the "DSL" type (above).

Parts Included

- Spindles ϕ4 x 35, ϕ4 x 39, ϕ4 x 43 (SWCH)
- Countersunk head tapping screw 3.5 x 25 (SUS) for strike & latch body
- Countersunk head screw M4 x 20, M4 x 25 (SUS) for square handle

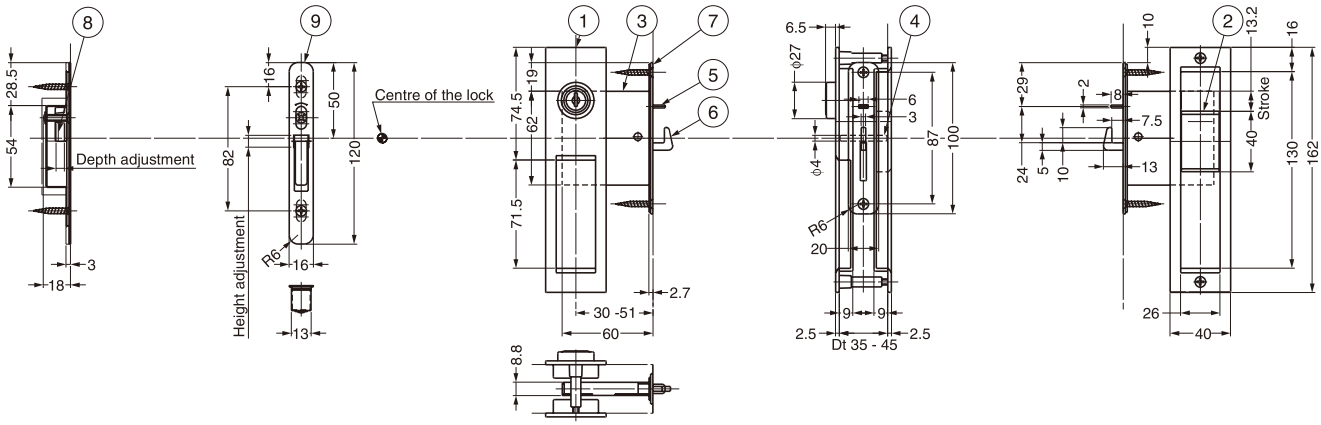
No.	Part Name	Material	Finish
①	Base	Zinc Alloy	Nickel
②	Knob	Zinc Alloy	Nickel
③	Latch Body	Steel (SECC)	Plain
④	Spindle	Steel (SWCH)	Chromate
⑤	Trigger	Stainless Steel (SUS304)	Polished
⑥	Bolt	Stainless Steel (SUS304)	Polished
⑦	Front Plate (Latch)	Stainless Steel (SUS304)	Satin
⑧	Strike	Steel (SECC)	Plain
⑨	Front Plate (Strike)	Stainless Steel (SUS304)	Satin

Item Code	Item Name	Type	Weight	Box	Carton
140-032-752	HC-3051-PRV-NI	Privacy	531 g	1 pc	20 pcs
140-032-753	HC-3051-IND-NI	Indicator	535 g	1 pc	20 pcs
140-032-754	HC-3051-CLD-NI	Cylinder Lock	557 g	1 pc	20 pcs
140-032-755	HC-3051-DSL-NI	Double Sided Slide	511 g	1 pc	20 pcs

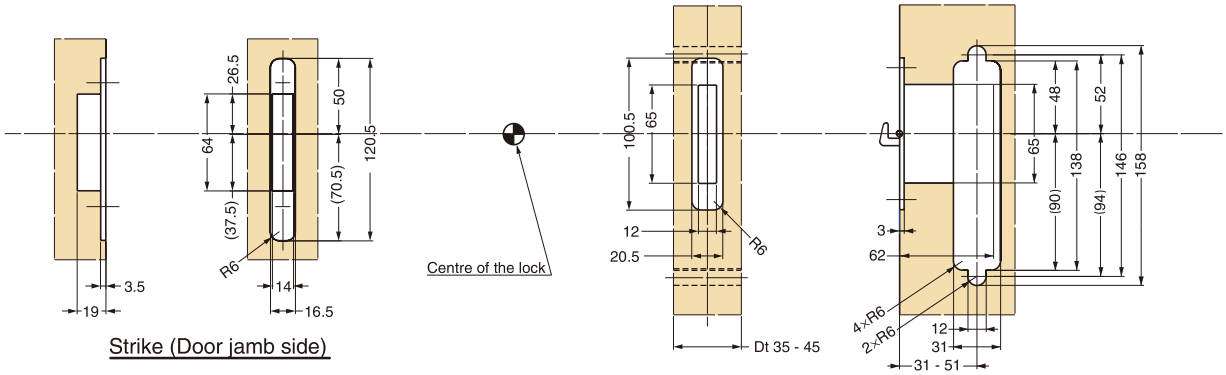
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

Dimensions

HC-3051-CLD-NI is shown.



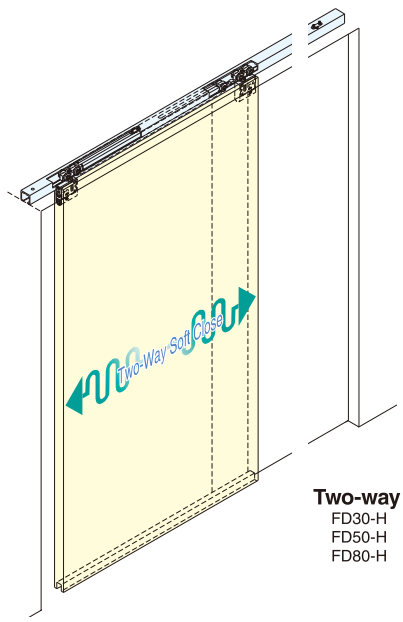
Cut Out Dimensions



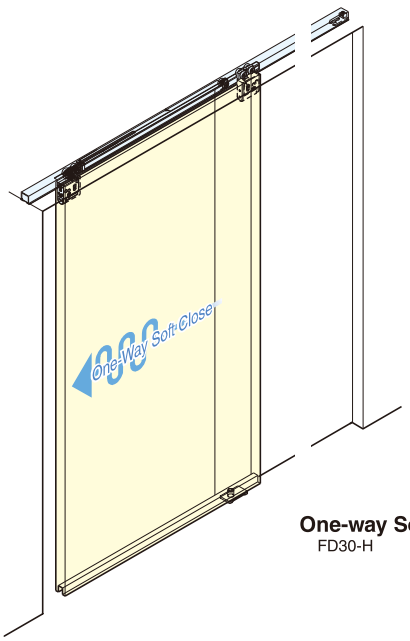
Strike (Door jamb side)

Latch body & Base (Sliding door side)

SLIDING DOOR SYSTEM DIGEST (P.488 - 499)



Two-way Soft Close
FD30-H
FD50-H
FD80-H



One-way Soft Close
FD30-H

Zwei L Series

SELECTION GUIDE
TOUCH LATCHES
MAGNETIC CATCHES
KNUCKLE/ TENSION CATCHES
PUSH KNOB LATCHES
LEVER LATCHES
DRAW LATCHES
SLIDE/ BARREL BOLTS



Zwei L® High precision polish, artfully sculpted shine



STAINLESS STEEL HANDLE ZL-2001 (P.1029)



STAINLESS STEEL TOWEL BAR ZL-3201 (P.854)



STAINLESS STEEL TOWEL BAR ZL-3205 (P.855)



STAINLESS STEEL LEVER BOLT ZL-2402 (P.411)



STAINLESS STEEL HOOK ZL-2103 (P.784)



STAINLESS STEEL KNOB ZL-1906 (P.1111)

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

Zwei L LEVER BOLT ZL-2401

Latest Info



- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.

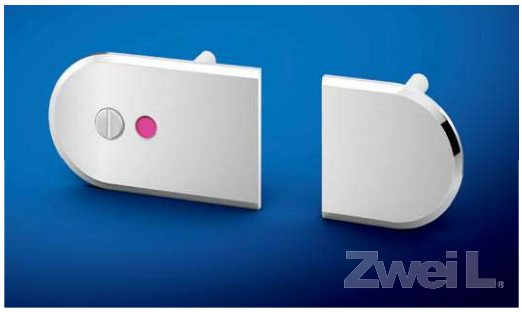
INSTRUCTION | SUS316

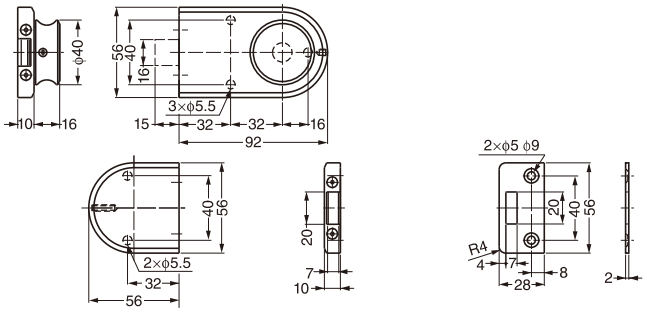
Concept

Sold Separately
- Indicator: ZL-2401-INR (for wood)
- Indicator: ZL-2401-INR-GB (for glass)

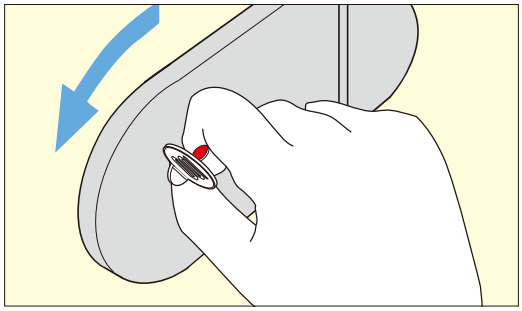
SELECTION GUIDE
TOUCH LATCHES
MAGNETIC CATCHES
KNUCKLE/ TENSION CATCHES
PUSH KNOB LATCHES
LEVER LATCHES
DRAW LATCHES
SLIDE/ BARREL BOLTS

Indicator (Sold Separately)

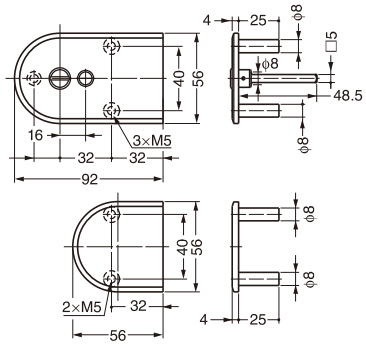




How to Open in Case of Emergency



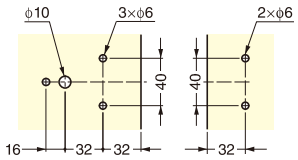
Can be unlocked by turning the coin 90˚.



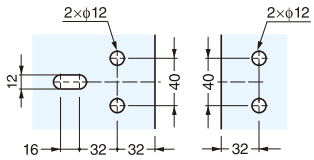
Indicator: ZL-2401-INR (for wood)

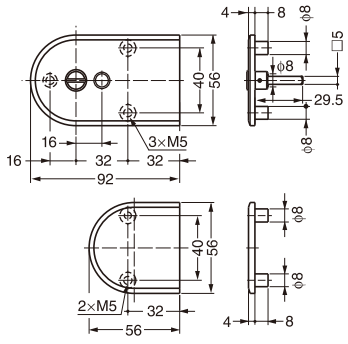
Cut Out Dimensions

Door (wood)



Door (glass)





Indicator: ZL-2401-INR-GB (for glass)

Body

Item Code	Item Name	Door Thickness	Material	Finish	Weight	Box
140-050-401	ZL-2401	Wooden Door : 28 - 40/Glass Door: 8, 10, 12	Stainless Steel (SUS316)	Zwei L Finish	835 g	1 pc

Indicator (Sold Separately)

Item Code	Item Name	Type	Material	Finish	Weight	Box
140-050-404	ZL-2401-INR	Wooden Door	Stainless Steel (SUS316)	Zwei L Finish	332 g	1 pc
140-050-405	ZL-2401-INR-GB	Glass Door	Stainless Steel (SUS316)	Zwei L Finish	317 g	1 pc

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP LEVER BOLT HR35

Latest Info

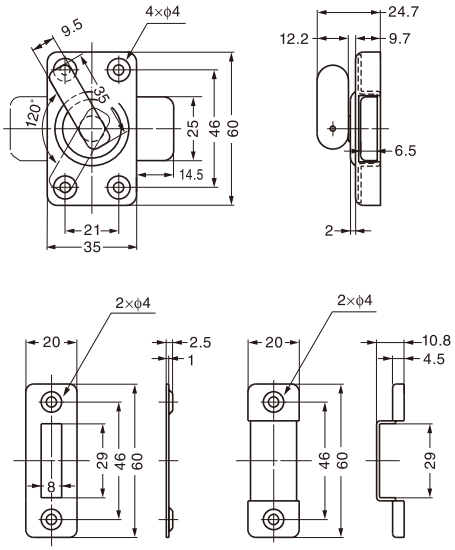


- Ideal for harsh and high corrosion environments.
- Turn the latch knob to open/close.
- Easy installation, flat and compact design for various application.
- 2 different counter plates included for different mountings.

SUS | SCREW

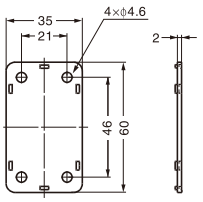
Parts Included
- Countersunk wood screw 3.5×20 (SUS)

Sold Separately
- Spacer HR35SP-B



Spacer (Sold Separately)





Spacer (Sold separately)

Body

Item Code	Item Name	Material	Finish	Weight	Box	Carton
140-180-135	HR35	Stainless Steel (SUS304)	Satin	108 g	10 pcs	100 pcs

Spacer (Sold Separately)

Item Code	Item Name	Material	Colour	Weight	Box	Carton
140-180-002	HR35SP-B	Polyamide (PA)	Black	5 g	250 pcs	2,500 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. LATCH W/ INDICATOR ET-70FN

Latest Info



- For inward opening and 13, 16, 20 mm thick door and side panel.
- Flat door application.

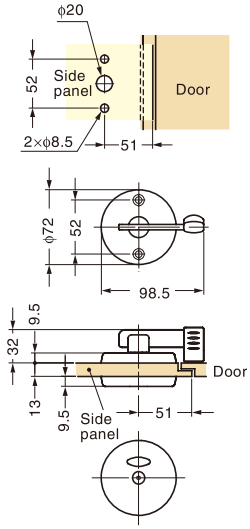
SUS

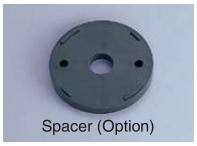
Remarks
- Spacer (Option) allows to use with 13 mm door and 16/20 mm side panel.

Parts Included
- Hex key

Option
- Spacer / ET-3, ET-7

Cut Out Dimensions





Screw and Spacer Recommended

	Inward opening						Outward opening					
Door Thickness	13			16			13			16		
Side board thickness	13	16	20	13	16	20	13	16	20	13	16	20
Hexagon top bolt (2pcs)	M5×25	M5×25	M5×30	M5×25	M5×25	M5×30	M5×25	M5×25	M5×30	M5×25	M5×25	M5×30
ET-7 spacer(Option)	0	0	0	0	0	0	0	0	1	0	0	0
ET-3 spacer(Option)	0	0	0	1	0	0	0	1	0	0	0	1

*Please contact us for other information.

Body

Item Code	Item Name	Door/Panel Thickness	Material	Finish	Weight	Box	Carton
140-180-545	ET-70FN	13, 16, 20	Stainless Steel (SUS304)	Satin	335 g	1 pc	50 pcs

Spacer (Sold Separately)

Item Code	Item Name	Material	Colour	Thickness	Weight	Box	Carton
140-180-975	ET-3	ABS	Black	3	14 g	25 pcs	750 pcs
140-172-566	ET-7	ABS	Black	7	18 g	15 pcs	750 pcs

LAMP. LATCH W/ INDICATOR ET-70DS

Latest Info



- For inward opening.
- Overlapped door application.
- The wide gap between the door and panel prevents pinched fingers.

SUS

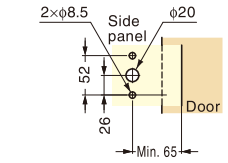
Remarks
- Please use a spacer according to the door thickness.

Parts Included
- Hex Key

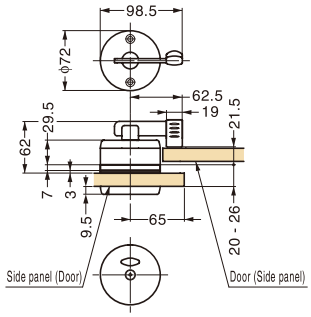
Option
- Spacer: ET-3, ET-7

Recommended Screw
- Hexagon top bolt M5×50
- Hexagon top bolt M5×55

Cut Out Dimensions







Screw and Spacer Recommended

Part Name	Door Thickness 13 Sideboard Thickness 13	Door Thickness 16 Sideboard Thickness 16
Hexagon Top Bolt M5×50	2	0
Hexagon Top Bolt M5×55	0	2
ET-3 Spacer	0	1
ET-7 Spacer	1	1

Body

Item Code	Item Name	Door/Panel Thickness	Material	Finish	Weight	Box	Carton
140-020-996	ET-70DS	Door : 13, 16 Side Panel : 13, 16	Stainless Steel (SUS304)	Satin	368 g	1 pc	50 pcs

Spacer (Sold Separately)

Item Code	Item Name	Material	Colour	Thickness	Weight	Box	Carton
140-180-975	ET-3	ABS	Black	3	14 g	25 pcs	750 pcs
140-172-566	ET-7	ABS	Black	7	18 g	15 pcs	750 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. LATCH W/ INDICATOR ET-70DN With Door Stopper

Latest Info



- Overlapped door application.

SUS

Remarks
- Please use a spacer according to the door thickness.

Parts Included
- Hex key
- Door stopper

Option
- Spacer: ET-3, ET-7


Door stopper (included)

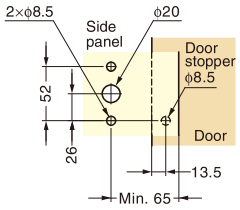

Spacer (Option)

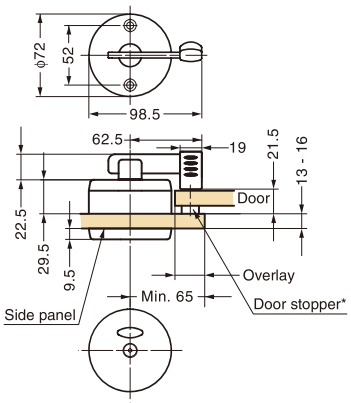
Screw and Spacer Recommended

Door Thickness	Inward opening						Outward opening					
	13			16			13			16		
Side board thickness	13	16	20	13	16	20	13	16	20	13	16	20
Hexagon top bolt (2pcs)	M5x 45	M5x 45	M5x 50	M5x 45	M5x 50	M5x 55	M5x 45	M5x 45	M5x 50	M5x 45	M5x 50	M5x 55
ET-7 spacer	0	0	0	0	0	0	0	1	0	0	1	
ET-3 spacer	0	0	0	1	1	1	0	1	0	0	1	0
Hexagon socket button head screw	M4x 10	M4x 10	M4x 10	M4x 10	M4x 10	M4x 10	M4x 10	M4x 10	M4x 16	M4x 10	M4x 10	M4x 16

*When using with the door stopper, please use with M4 washer as well.
Please contact us for other information.

Cut Out Dimensions





*Installation position:
- Inward opening : Door
- Outward opening : Side Board

Body

Item Code	Item Name	Door/Panel Thickness	Material	Finish	Weight	Box	Carton
140-180-546	ET-70DN	Door : 13, 16 Side Panel: 13, 16, 20	Stainless Steel (SUS304)	Satin	371 g	1 pc	50 pcs

Spacer (Sold Separately)

Item Code	Item Name	Material	Colour	Thickness	Weight	Box	Carton
140-180-975	ET-3	ABS	Black	3	14 g	25 pcs	750 pcs
140-172-566	ET-7	ABS	Black	7	18 g	15 pcs	750 pcs

LAMP. LATCH W/ INDICATOR ET-125T

Latest Info



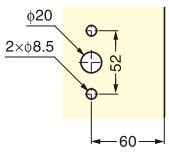


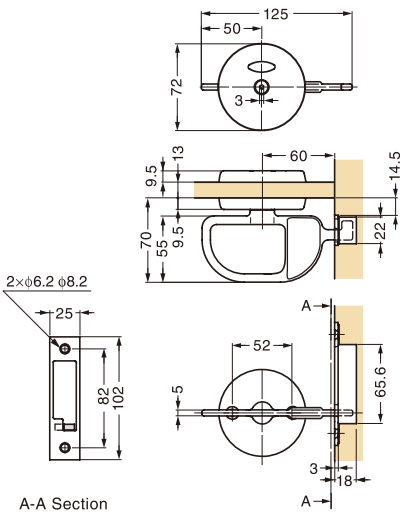
- For sliding door applications.
- Large handle for easy operation.

SUS

Parts Included
- Hex key

Cut Out Dimensions





Item Code	Item Name	Door Thickness	Material	Finish	Weight	Box	Carton
140-188-843	ET-125T	13	Stainless Steel (SUS304)	Satin	442 g	1 pc	27 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

Technical Information

1364 | TEST METHODS
1366 | SURFACE TREATMENT
1367 | MATERIALS
1368 | DOOR WEIGHT TABLE

September 2024

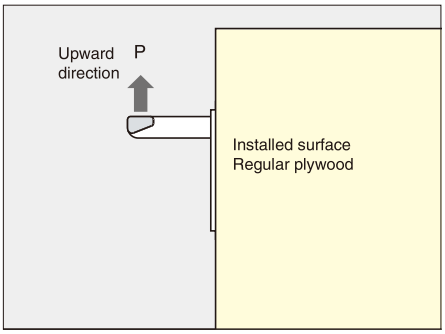
TEST METHODS

■Test Methods

In this catalogue, various values about products with TEST METHOD icon in the product specification columns are determined by the tests as described below. Values are to provide guidance for the safe use of our products.

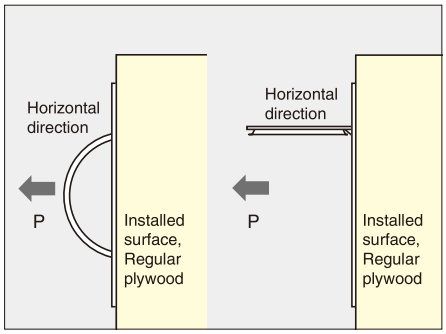
Product without TEST METHOD icon may not be based on these criteria in some cases.

TEST METHOD 1 HANDLE LOAD CAPACITY TEST



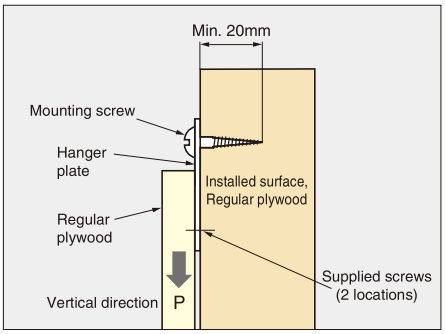
The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

TEST METHOD 2 HANDLE, PULL, HOOK LOAD CAPACITY TEST



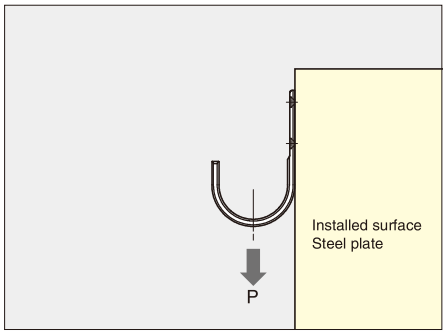
The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.
Product may fail or distort if the force is applied in a direction other than the frontal direction. Please do not use on application other than in the pull direction.

TEST METHOD 3 HANGING-LOAD CAPACITY TEST



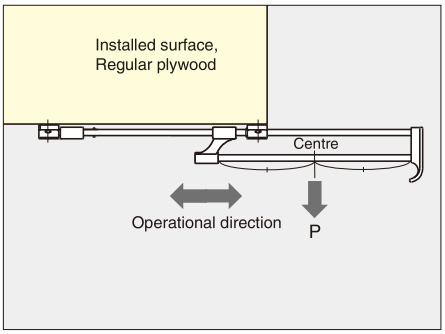
The hanging-load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure. This value will vary according to the diameter / length of the screw(s) used and strength of the installed surface.
Hanging load of 10 kgf, in case of using round head wood screw 3.8 x 25.

TEST METHOD 4 HOOK LOAD CAPACITY TEST



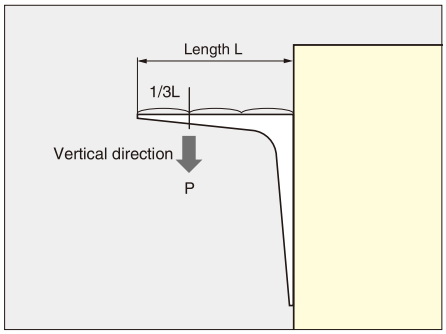
Under the conditions shown in the figure, a force (P) is gently applied to the centre of the hanging part in the vertical direction. The indicated load capacity value is about one-third of the limit load value (safety factor: 3). Therefore, this safety factor changes depending on the usage conditions. If you use it under adverse conditions, please be sure to check the actual product.

TEST METHOD 5 MAXIMUM HANGING-LOAD TEST



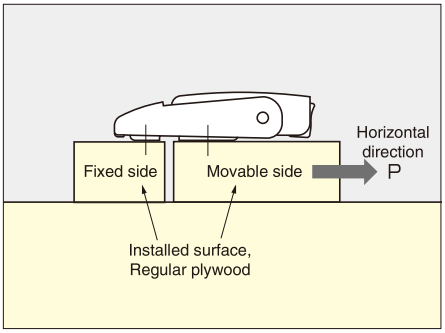
The maximum hanging-load capacity is measured when the force (P) is gently applied in the direction of the arrow and operated under the condition indicated by the figure. If the load is concentrated at the front tip of the hanger, the front tip may sag or the movement may become heavy.

TEST METHOD 6 BRACKET LOAD CAPACITY TEST



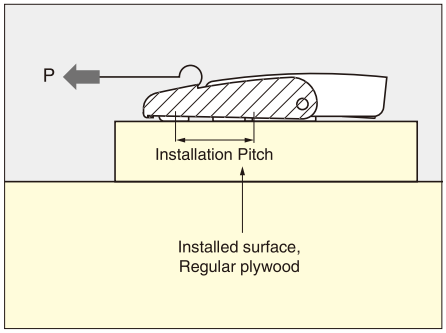
The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.
(This is based on the force (W) applied at the centre of the shelf board with its length 4/3 times longer than the shelf bracket or angle bracket.)

TEST METHOD 7 FASTENER LOAD CAPACITY TEST



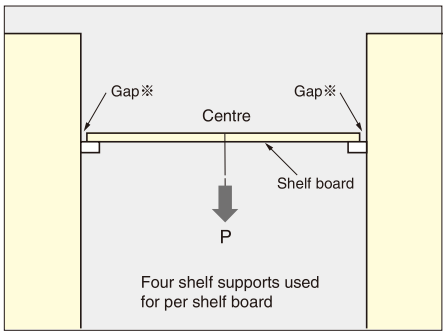
The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

TEST METHOD 8 CLAMPING FORCE TEST UNDER STANDARD INSTALLATION



The capacity of the clamping force under standard installation is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure, and when the shaded portion begins to slide.

TEST METHOD 9 DOWEL, SHELF STANDARD LOAD CAPACITY TEST



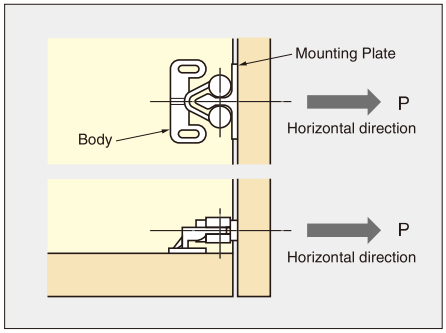
The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.
Follow the conditions below to prevent the shelf supports or shelf board from falling off.

Condition 1 The gap (※) between the shelf board and the side board shall be 1mm or less.
※ The gap between the shelf board and the shelf standard if shelf support is installed on a shelf standard.

Condition 2 Use shelf board which has sufficient durability.

Condition 3 The mounting hole processing dimension of the shelf dowel shall be less than the recommended mounting hole dimension.
(The processing dimension may vary depending on the material of the side board.

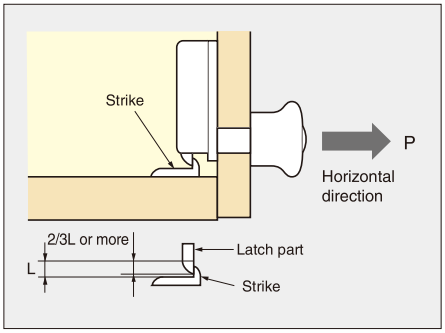
TEST METHOD 10 CATCH FORCE TEST



The catch force is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

Note: Misalignment of the mounting plate and body parts may cause the catch force to decrease or parts failure.

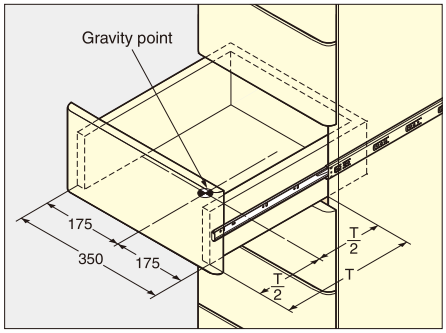
TEST METHOD 11 RETAINING FORCE TEST



The retaining force is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

Note: Latch and strike must be engaged at least 2/3L or more (see the figure).

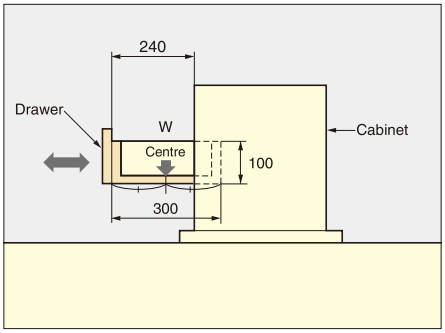
TEST METHOD 12 DRAWER SLIDE LOAD CAPACITY TEST



Calculation of slide centre of gravity

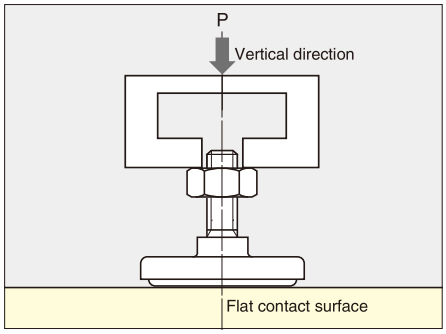
The load capacity is measured based on the condition:
- Continuous open-close: 50,000 cycles
- Speed: 10 cycles per minute
- Load is applied on the gravity point. The figure of load capacity includes drawer itself.
- Drawer width: 350mm

TEST METHOD 13 DRAWER SLIDE LOAD CAPACITY TEST



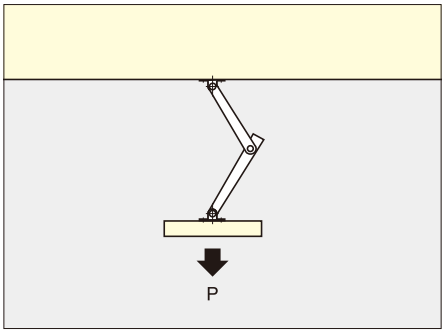
The load capacity is measured when the weight (W) is applied at the centre of the drawer under the condition indicated by the figure and the operation to pull out the drawer by 240mm is repeated. The gap between drawer and cabinet shall be 1 mm or less.

TEST METHOD 14 LEVELLING GLIDE LOAD CAPACITY TEST



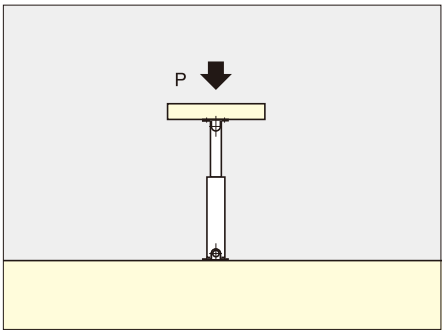
The load capacity is measured when the force (P) is applied in the direction of the arrow under the condition indicated in the figure.
Product may break or distort if the contact surface is not flat.

TEST METHOD 15 PULL LOAD TEST



The pull load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

TEST METHOD 16 COMPRESSION LOAD TEST



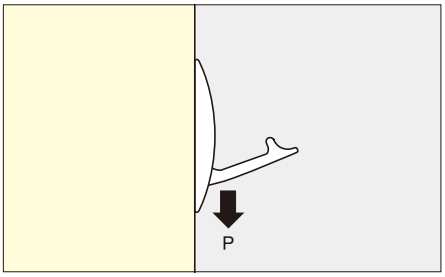
The compression load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

TEST METHOD 17 PERMISSIBLE LOAD OF FASTENER

Permissible load kgf = Ultimate Load ÷ 3

The safety factor will vary depending on the conditions of use.
When used under adverse conditions, please test the fastener in intended application.

TEST METHOD 18 HOOK LOAD CAPACITY TEST

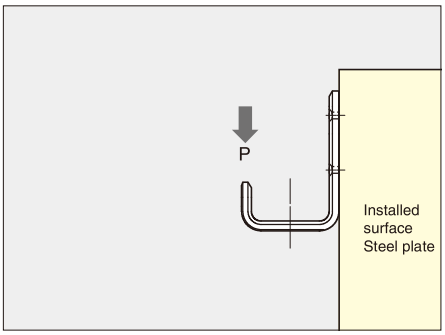


The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

Load capacity kgf = Ultimate Load ÷ 3

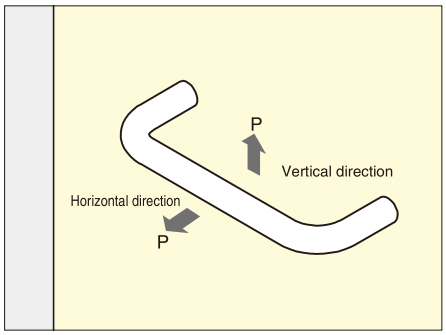
However, the safety factor will vary depending on the conditions of use.
When used under adverse conditions, please test the hook in intended application.

TEST METHOD 19 HOOK LOAD CAPACITY TEST



Under the conditions shown in the figure, a force (P) is gently applied in the vertical direction. The indicated load capacity value is one-third of the limit load value (safety factor: 3). Therefore, this safety factor changes depending on the usage conditions. If you use it under adverse conditions, please be sure to check the actual product.

TEST METHOD 20 HANDLE LOAD CAPACITY TEST



Under the conditions shown in the figure, a force (P) is gently applied in the vertical and horizontal directions. The load capacity is a value that indicates the strength of the handle itself. Install it on something with sufficient strength or reinforcement.

SURFACE TREATMENT

Finish	Characteristics
Zinc Plating	Zinc plating is commonly used on steel to prevent oxidation. Chromate is generally applied over zinc to enhance corrosion resistance.
Chromate Conversion Coating	Major coating mainly applied on parts after zinc plated or cadmium plated. Parts are immersed in a solution mainly consisting of chromic acid or heavy chromic acid to create the coating. This is used to improve corrosion resistance and appearance of metals, metal colouration, and is also used as a pre-treatment for painting. Various chromate coatings are developed such as yellow chromate (rainbow colour), clear chromate, black chromate, green chromate, etc.
Chrome Plating	Common electroplating for various industrial purposes. Reflective finish can be achieved by polishing. High hardness and good corrosion resistance along with thermal resistance, abrasion resistance and good adhesion characteristics. Generally used as final finish for various decorative parts and products due to its uniquely deep colouration.
Nickel Plating	Nickel is commonly used for decorative and anti-corrosion purpose because of its stability against air or humidity compared to iron. However, since the surface of the nickel plating will slightly discolour through exposure to air, chrome is often used after nickel to keep the finish/colour. Nickel plating has moderate hardness / corrosion-resistance and widely used on industrial application.
Alumite or Anodising (Anodic Oxidation Film Processing)	Also called the “anodic oxidation film processing”. This process thickens and toughens natural oxide layer on metal, commonly applied to aluminium for corrosion resistance and dyeing. In aluminium anodising, aluminium object serves as the anode (the positive electrode) when electrolysed in the sulfuric acid. This will create a layer of porous oxide film which has high electric insulation and abrasion resistance. The film is normally transparent when it is thin, although it becomes dull as the thickness increases.The pores produced by anodising are closed by a process called sealing, which is done by high-pressurised or boiling-hot deionised water. This process fills the pores and creates a thin layer that is corrosion resistant, suitable for various aluminium parts / products.

※Hexavalent-Chromium (CR6) Free

Sugatsune is strictly controlling the use of chemicals that would adversely impact the environment. We are designing and developing products with minimum use of materials which has adverse environmental impact. Hexavalent chromium compound is especially known for its adverse effects on the human body. We are actively substituting this Hexavalent-chromium (CR6) with the environment friendly Trivalent-chromium (CR3).

MATERIALS

In this catalogue, materials are indicated below. (For some items, only the materials of main parts are shown due to space limitations)

Irons and Steels

Material	Name
Steel	Iron-based screw, washer, etc.
Steel (SS)	Rolled steel for general structure
Steel (S※※C)	Carbon steel for machine structural use (Enter number for ※)
Steel (SECC)	Electrogalvanised steel sheet and steel strip
Steel (SF)	Carbon steel forging
Steel (SGCC)	Hot-dip galvanised steel sheet and steel strip
Steel (SK)	Carbon tool steel
Steel (SPCC)	Cold-rolled steel sheet and steel strip
Steel (SPHC)	Hot-rolled mild steel sheet and steel strip
Steel (SUM)	Sulfur and sulfur-composite free cutting steel
Steel (SUP)	Spring steel
Steel (SW)	Hard steel wire
Steel (SWP)	Piano wire
Steel (SWRH)	High carbon steel wire rod
Steel (SWRM)	Low carbon steel wire rod
Steel (SWCH)	Carbon steel for cold heading
Cast Iron (FC)	Grey iron casting
Stainless Steel	Stainless steel screw, washer, etc.
Stainless Steel (SUS301)	Austenitic stainless steel
Stainless Steel (SUS303)	Austenitic stainless steel
Stainless Steel (SUS304)	Austenitic stainless steel
Stainless Steel (SUS316, SUS316L)	Austenitic stainless steel
Stainless Steel (SUS420)	Martensitic stainless steel
Stainless Steel (SUS430)	Ferritic stainless steel
Stainless Steel (SUS440)	Martensitic stainless steel
Stainless Steel (SUS631)	Precipitation hardening stainless steel
Stainless Steel (SCS13)	Stainless steel casting
Stainless Steel (SCS14)	Stainless steel casting

Non-ferrous Metals

Material	Name
Aluminium Alloy	—
Aluminium Alloy (ADC)	Aluminium alloy die casting
Aluminium Alloy (AC)	Aluminium alloy casting
Zinc Alloy	—
Zinc Alloy (ZDC)	Zinc alloy die casting
Zinc Alloy (BRIC)	A kind of zinc alloy die casting
Brass	—
Free Cutting Brass	—
Phosphor Bronze	—
Phosphor Bronze for Spring	—
Nickel Silver	—
Copper Alloy Casting (CAC)	—
Magnesium Alloy (MDC)	Magnesium alloy die casting
Titanium Alloy	—

Magnets

Material	Name
Ferrite	—
Neodymium	—
Samarium Cobalt	Samarium-cobalt
Alnico	—

Plastics

Material	Name
ABS Resin	Acrylonitrile butadiene styrene
AES Resin	Acrylonitrile ethylene propylene rubber styrene
AS Resin	Acrylonitrile styrene
Cellulose Acetate (CA)	—
Casein (CS)	—
Epoxy Resin (EP)	—
Ethylene Vinyl Acetate (EVA)	—
EVOH Resin	Ethylene vinyl alcohol
FRP	Unsaturated polyester + glass fibre
Melamine Resin (MF)	Melamine formaldehyde resin
Polyamide (PA)	—
Polycarbonate (PC)	—
Polyethylene (PE)	—
PEEK Resin	Polyether ether ketone
High Density Polyethylene (HDPE)	—
Chlorinated Polyethylene (CPE)	—
PBT Resin	Polybutylene terephthalate
PET Resin	Polyethylene terephthalate
Phenol resin (PF)	Phenol formaldehyde resin
Methacrylic Resin (PMMA)	Polymethyl methacrylate
Polyacetal (POM)	—
Polypropylene (PP)	—
PPO Resin	Polypropylene oxide
PPS Resin	Polyphenylene sulfide
PPE Resin	Polyphenylene ether
Polystyrene (PS)	—
High Impact Polystyrene (HIPS)	—
Polytetrafluoroethylene (PTFE)	Polytetrafluoroethylene
Polyvinyl Chloride (PVC)	Polyvinyl chloride
Polyimide (PI)	—
Polyamideimide (PAI)	—
Polyetherimide (PEI)	—
Silicone Resin (SI)	Silicone plastic
Urea Resin (UF)	Urea formaldehyde resin
Unsaturated polyester Resin (UP)	—
~Elastomer	Elastomer

Rubbers

Material
Natural Rubber (NR)
Styrene Butadiene Rubber (SBR)
Butadiene Rubber (BR)
Isoprene Rubber (IR)
Nitrile Rubber (NBR)
Chloroprene Rubber (CR)
Ethylene Propylene Rubber (EPDM)
Isobutylene Isoprene Rubber (IIR)
Urethane Rubber (UR)
Polyurethane Rubber (PUR)
Silicone Rubber (Q)
Fluoro Rubber (FKM)
Synthetic Rubber

DOOR WEIGHT TABLE

Door Weight Calculator

The below density is only for reference and it may differ depending on their material and specification.
For door sizes not listed in the table below, please use the Door Weight Calculator.

Calculation: Door Weight (kg) = Density (Specific Gravity) × Door Height (mm) × Door Width (mm) × Door Thickness (mm) ÷ 1,000,000

Wooden Door Weight (kg)

Door Type	MDF (Density 0.8)					Particle Board (Density 0.6)					Plywood (Density 0.6)					Flush (Density 0.5)				
Door Thickness mm / Door Size mm	16	19	22	25	35	16	19	22	25	35	16	19	22	25	35	16	19	22	25	35
300× 400	1.5	1.8	2.1	2.4	3.4	1.2	1.4	1.6	1.8	2.5	1.2	1.4	1.6	1.8	2.5	1.0	1.1	1.3	1.5	2.1
300× 500	1.9	2.3	2.6	3.0	4.2	1.4	1.7	2.0	2.3	3.2	1.4	1.7	2.0	2.3	3.2	1.2	1.4	1.7	1.9	2.6
300× 600	2.3	2.7	3.2	3.6	5.0	1.7	2.1	2.4	2.7	3.8	1.7	2.1	2.4	2.7	3.8	1.4	1.7	2.0	2.3	3.2
300× 700	2.7	3.2	3.7	4.2	5.9	2.0	2.4	2.8	3.2	4.4	2.0	2.4	2.8	3.2	4.4	1.7	2.0	2.3	2.6	3.7
300× 800	3.1	3.6	4.2	4.8	6.7	2.3	2.7	3.2	3.6	5.0	2.3	2.7	3.2	3.6	5.0	1.9	2.3	2.6	3.0	4.2
300× 900	3.5	4.1	4.8	5.4	7.6	2.6	3.1	3.6	4.1	5.7	2.6	3.1	3.6	4.1	5.7	2.2	2.6	3.0	3.4	4.7
300×1000	3.8	4.6	5.3	6.0	8.4	2.9	3.4	4.0	4.5	6.3	2.9	3.4	4.0	4.5	6.3	2.4	2.9	3.3	3.8	5.3
400× 500	2.6	3.0	3.5	4.0	5.6	1.9	2.3	2.6	3.0	4.2	1.9	2.3	2.6	3.0	4.2	1.6	1.9	2.2	2.5	3.5
400× 600	3.1	3.6	4.2	4.8	6.7	2.3	2.7	3.2	3.6	5.0	2.3	2.7	3.2	3.6	5.0	1.9	2.3	2.6	3.0	4.2
400× 700	3.6	4.3	4.9	5.6	7.8	2.7	3.2	3.7	4.2	5.9	2.7	3.2	3.7	4.2	5.9	2.2	2.7	3.1	3.5	4.9
400× 800	4.1	4.9	5.6	6.4	9.0	3.1	3.6	4.2	4.8	6.7	3.1	3.6	4.2	4.8	6.7	2.6	3.0	3.5	4.0	5.6
400× 900	4.6	5.5	6.3	7.2	10.1	3.5	4.1	4.8	5.4	7.6	3.5	4.1	4.8	5.4	7.6	2.9	3.4	4.0	4.5	6.3
400×1000	5.1	6.1	7.0	8.0	11.2	3.8	4.6	5.3	6.0	8.4	3.8	4.6	5.3	6.0	8.4	3.2	3.8	4.4	5.0	7.0
400×1100	5.6	6.7	7.7	8.8	12.3	4.2	5.0	5.8	6.6	9.2	4.2	5.0	5.8	6.6	9.2	3.5	4.2	4.8	5.5	7.7
400×1200	6.1	7.3	8.4	9.6	13.4	4.6	5.5	6.3	7.2	10.1	4.6	5.5	6.3	7.2	10.1	3.8	4.6	5.3	6.0	8.4
500× 600	3.8	4.6	5.3	6.0	8.4	2.9	3.4	4.0	4.5	6.3	2.9	3.4	4.0	4.5	6.3	2.4	2.9	3.3	3.8	5.3
500× 700	4.5	5.3	6.2	7.0	9.8	3.4	4.0	4.6	5.3	7.4	3.4	4.0	4.6	5.3	7.4	2.8	3.3	3.9	4.4	6.1
500× 800	5.1	6.1	7.0	8.0	11.2	3.8	4.6	5.3	6.0	8.4	3.8	4.6	5.3	6.0	8.4	3.2	3.8	4.4	5.0	7.0
500× 900	5.8	6.8	7.9	9.0	12.6	4.3	5.1	5.9	6.8	9.5	4.3	5.1	5.9	6.8	9.5	3.6	4.3	5.0	5.6	7.9
500×1000	6.4	7.6	8.8	10.0	14.0	4.8	5.7	6.6	7.5	10.5	4.8	5.7	6.6	7.5	10.5	4.0	4.8	5.5	6.3	8.8
500×1100	7.0	8.4	9.7	11.0	15.4	5.3	6.3	7.3	8.3	11.6	5.3	6.3	7.3	8.3	11.6	4.4	5.2	6.1	6.9	9.6
500×1200	7.7	9.1	10.6	12.0	16.8	5.8	6.8	7.9	9.0	12.6	5.8	6.8	7.9	9.0	12.6	4.8	5.7	6.6	7.5	10.5
500×1300	8.3	9.9	11.4	13.0	18.2	6.2	7.4	8.6	9.8	13.7	6.2	7.4	8.6	9.8	13.7	5.2	6.2	7.2	8.1	11.4
500×1400	9.0	10.6	12.3	14.0	19.6	6.7	8.0	9.2	10.5	14.7	6.7	8.0	9.2	10.5	14.7	5.6	6.7	7.7	8.8	12.3
500×1500	9.6	11.4	13.2	15.0	21.0	7.2	8.6	9.9	11.3	15.8	6.0	7.1	8.3	9.4	13.1	7.2	8.6	9.9	11.3	15.8
500×1600	10.2	12.2	14.1	16.0	22.4	7.7	9.1	10.6	12.0	16.8	7.7	9.1	10.6	12.0	16.8	6.4	7.6	8.8	10.0	14.0
500×1700	10.9	12.9	15.0	17.0	23.8	8.2	9.7	11.2	12.8	17.9	8.2	9.7	11.2	12.8	17.9	6.8	8.1	9.4	10.6	14.9
500×1800	11.5	13.7	15.8	18.0	25.2	8.6	10.3	11.9	13.5	18.9	8.6	10.3	11.9	13.5	18.9	7.2	8.6	9.9	11.3	15.8

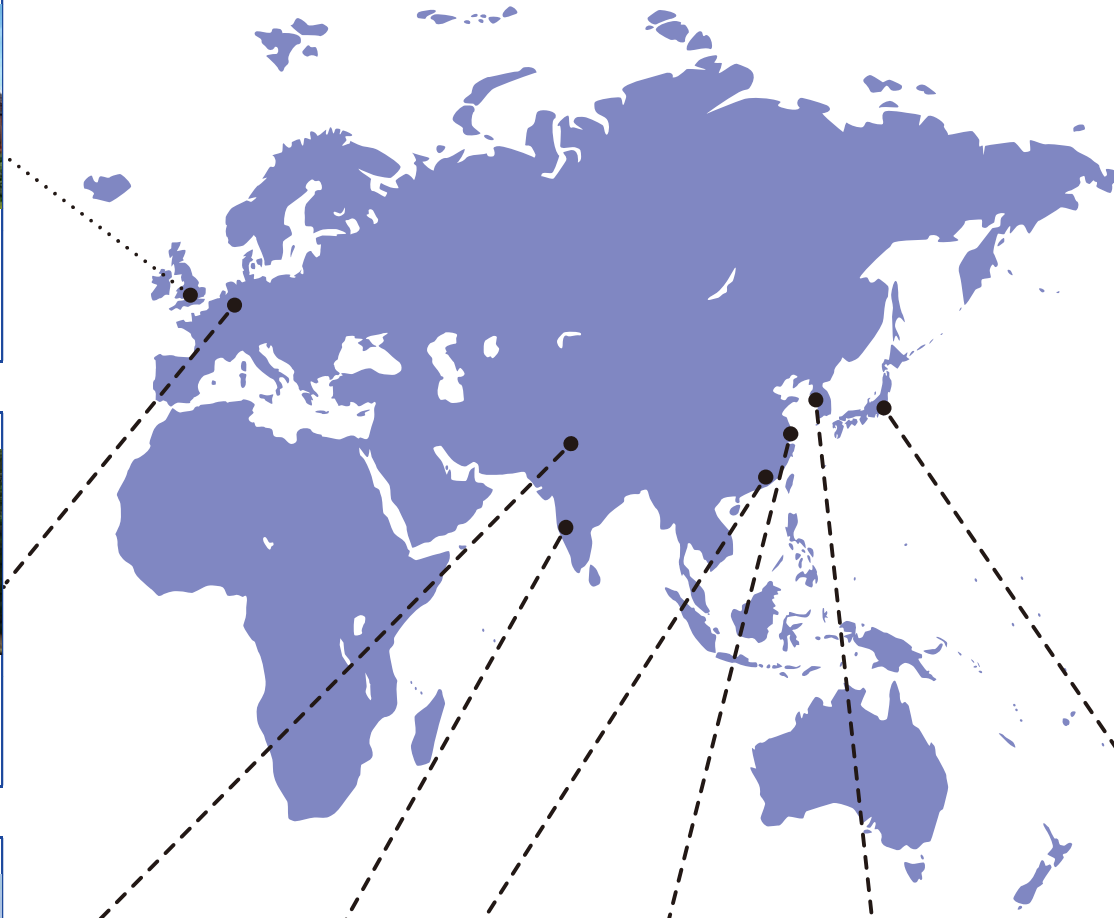
Glass Door Weight (kg)

Glass Door Thickness mm	4 (Density 2.5)							5 (Density 2.5)							6 (Density 2.5)						
Door Width mm / Door Height mm	300	400	500	600	700	800	900	300	400	500	600	700	800	900	300	400	500	600	700	800	900
300	0.9	1.2	1.5	1.8	2.1	2.4	2.7	1.1	1.5	1.9	2.3	2.6	3.0	3.4	1.4	1.8	2.3	2.7	3.2	3.6	4.1
350	1.1	1.4	1.8	2.1	2.5	2.8	3.2	1.3	1.8	2.2	2.6	3.1	3.5	3.9	1.6	2.1	2.6	3.2	3.7	4.2	4.7
400	1.2	1.6	2.0	2.4	2.8	3.2	3.6	1.5	2.0	2.5	3.0	3.5	4.0	4.5	1.8	2.4	3.0	3.6	4.2	4.8	5.4
450	1.4	1.8	2.3	2.7	3.2	3.6	4.1	1.7	2.3	2.8	3.4	3.9	4.5	5.1	2.0	2.7	3.4	4.1	4.7	5.4	6.1
500	1.5	2.0	2.5	3.0	3.5	4.0	4.5	1.9	2.5	3.1	3.8	4.4	5.0	5.6	2.3	3.0	3.8	4.5	5.3	6.0	6.8
550	1.7	2.2	2.8	3.3	3.9	4.4	5.0	2.1	2.8	3.4	4.1	4.8	5.5	6.2	2.5	3.3	4.1	5.0	5.8	6.6	7.4
600	1.8	2.4	3.0	3.6	4.2	4.8	5.4	2.3	3.0	3.8	4.5	5.3	6.0	6.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1
650	2.0	2.6	3.3	3.9	4.6	5.2	5.9	2.4	3.3	4.1	4.9	5.7	6.5	7.3	2.9	3.9	4.9	5.9	6.8	7.8	8.8
700	2.1	2.8	3.5	4.2	4.9	5.6	6.3	2.6	3.5	4.4	5.3	6.1	7.0	7.9	3.2	4.2	5.3	6.3	7.4	8.4	9.5
750	2.3	3.0	3.8	4.5	5.3	6.0	6.8	2.8	3.8	4.7	5.6	6.6	7.5	8.4	3.4	4.5	5.6	6.8	7.9	9.0	10.1
800	2.4	3.2	4.0	4.8	5.6	6.4	7.2	3.0	4.0	5.0	6.0	7.0	8.0	9.0	3.6	4.8	6.0	7.2	8.4	9.6	10.8
850	2.6	3.4	4.3	5.1	6.0	6.8	7.7	3.2	4.3	5.3	6.4	7.4	8.5	9.6	3.8	5.1	6.4	7.7	8.9	10.2	11.5
900	2.7	3.6	4.5	5.4	6.3	7.2	8.1	3.4	4.5	5.6	6.8	7.9	9.0	10.1	4.1	5.4	6.8	8.1	9.5	10.8	12.2
950	2.9	3.8	4.8	5.7	6.7	7.6	8.6	3.6	4.8	5.9	7.1	8.3	9.5	10.7	4.3	5.7	7.1	8.6	10.0	11.4	12.8
1000	3.0	4.0	5.0	6.0	7.0	8.0	9.0	3.8	5.0	6.3	7.5	8.8	10.0	11.3	4.5	6.0	7.5	9.0	10.5	12.0	13.5
1050	3.2	4.2	5.3	6.3	7.4	8.4	9.5	3.9	5.3	6.6	7.9	9.2	10.5	11.8	4.7	6.3	7.9	9.5	11.0	12.6	14.2
1100	3.3	4.4	5.5	6.6	7.7	8.8	9.9	4.1	5.5	6.9	8.3	9.6	11.0	12.4	5.0	6.6	8.3	9.9	11.6	13.2	14.9
1150	3.5	4.6	5.8	6.9	8.1	9.2	10.4	4.3	5.8	7.2	8.6	10.1	11.5	12.9	5.2	6.9	8.6	10.4	12.1	13.8	15.5

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September 2024

Global Network



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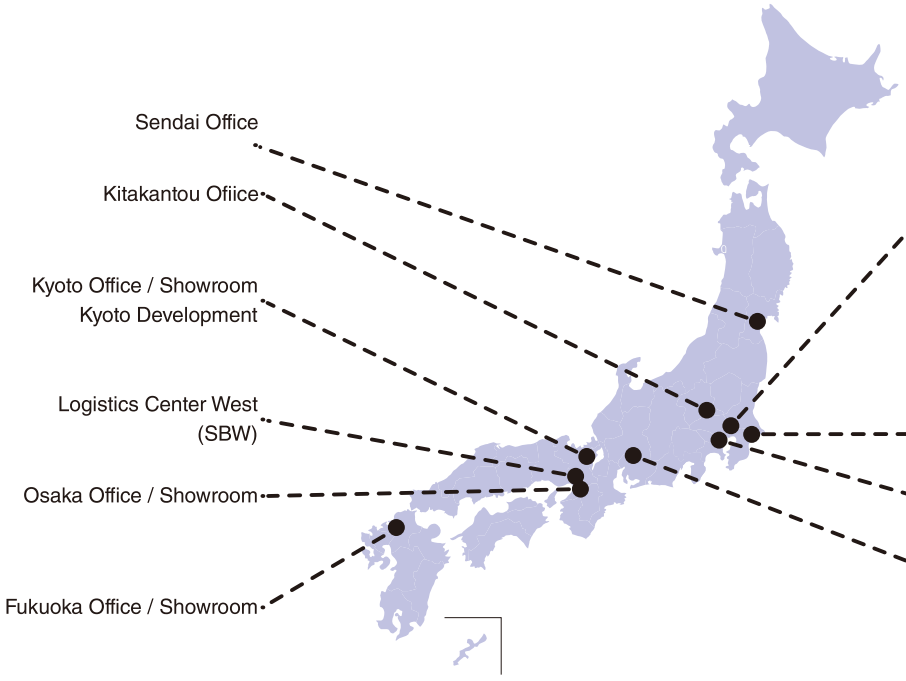
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Kitakantou Ofiice
Kyoto Office / Showroom
Kyoto Development
Logistics Center West
(SBW)
Osaka Office / Showroom
Fukuoka Office / Showroom

Tokyo Head Office / Showroom
Tokyo Development

Export Department
1-8-11 Higashikanda, Chiyoda-ku
Tokyo 101-8633,Japan
Tel : +81-3-3866-2260
Fax : +81-3-3866-4447
E-mail : export@sugatsune.co.jp

Chiba Factory,
Chiba Development
Logistics Center(SBC)
Kanagawa Office
Nagoya Office / Showroom

Sugatsune's History



The first home shop after the war (1946)

1930	“Sugatsune Shoten” is founded by Tsunesaburo Sugasawara.Sells European style furniture hardware.
1943	The company changes its name to “Sugatsune Kogyo Co., Ltd.”, manufacturing metal accessories for communication until the end of the war.
1949	The company starts manufacture furniture hardware and architectural hardware.
1968	Capital is increased to 50 million yen. Shin-ohashi Sales Office is moved to the site of Tokyo Factory (Adachi-ku, Tokyo), and Adachi Sales Office is set up.
1969	Chiba Factory is constructed on the Trading Estate at Matsuo-cho in Chiba. This marked the beginning of mass production.
1975	Osaka Sales Office (current Osaka Branch) is opened.
1982	A logistics centre (S.B.C) with a floor area of 4,026m^2 is completed at the site of Chiba Factory. Sugatsune America Inc. is established in the United States.
1987	Sugatsune Kogyo comes up with an original damper technology “Lapcon”.
1992	Sugatsune Kogyo’s President Sugasawara is presented with a Medal with a Blue Ribbon by the government of Japan. A new logistics centre (S.B.C) with modern facilities is completed. (Floor area of 8,884m^2)
1998	Sugatsune Kogyo’s President Sugasawara receives Gold and Silver Rays, an Order of the Sacred Treasure. A technical centre is built at the site of Chiba Factory. Nagoya Sales Office is opened. The company registers for ISO 9001 certification.
2004	Sendai and Fukuoka sales offices are opened. An office and showroom are established in Shanghai, China.
2005	The largest showroom in the industry in Japan is opened at Iwamoto-cho, Chiyoda-ku, Tokyo. A large exhibition is held to commemorate the opening of the new showrooms in Tokyo and Osaka, and a new product presentation is held in Fukuoka and Sendai. Sugatsune UK is established in Great Britain. Shanghai Office is changed to Sugatsune Shanghai.
2006	A showroom is opened in Nagoya, and an exhibition is held to commemorate the opening of the new showroom. New head office building No.4 and No.5 are completed.
2007	A new building at logistics centre (S.B.C) is completed. (Floor area of 7,413m^2) Nagoya Sales Office is moved from Naka-ku to Kita-ku.
2009	The product concept “Motion Design Tech” is presented for giving further motion functions to the “opening and closing of doors or lids”.
2011	Kanagawa Sales Office is opened. Fukuoka Sales Office is moved and a showroom is opened. A showroom and sales office are opened in Chicago by Sugatsune America.
2012	Kyoto Sales Office is opened.
2013	Kyoto showroom is opened.
2015	Sugatsune Kogyo India Private Limited is established in India. A showroom is opened in Mumbai, India. A new logistics centre (SBW) is established in Osaka.
2016	Sugatsune Europe GmbH is established in Germany. Sugatsune Canada, Inc is established in Canada.
2017	The Monoflat LIN-X1000 wins a Reddot award.
2018	Sugatsune UK changes locations. Private exhibitions displaying new products are held in Tokyo, Osaka and Nagoya. In total, exhibitions are held in 13 cities across Japan. Sugatsune EU opens a showroom in Düsseldorf.
2019	Sales office opens in Northern Kanto. The LDD-V100 door damper wins both the Red Dot design award and also the iF design award. The head office moves to a new location.
2020	Sugatsune Kogyo celebrated its 90th anniversary.
2022	Sugatsune Korea is established as a local subsidiary in South Korea.

Company Profile

Company Name	Sugatsune Kogyo Co., Ltd.
President	Jun Sugasawara
Headquarters	Tokyo, Japan
Founded	February 11, 1930
Established	November 20, 1943
Capital	¥400,000,000
Number of Employees	497 (January, 2024)
Business Segment	Furniture fittings, Architectural hardware, Decorative hardware, Various import hardware, Industrial components hardware, IT industrial components, Custom-made items, Lighting part metal, Furniture metal, Fixtures furniture

Business Partner Countries & Regions

Sweden/Netherlands/Belgium/Spain/Portugal/France/Maltese/Monaco/Denmark/Sweden/Finland/Norway/Cyprus/Greece/Brazil/Argentina/Brazil/Argentina/Chile/Britain/Ireland/Germany/Italy/Austria/Oman/Bahrain/Jordan/Iran/Egypt/Qatar/India/Pakistan/SriLanka/Bangladesh/South Africa/Russia/Poland/Romania/Bulgaria/Estonia/Lithuania/Turkey/Israel/Lebanon/SaudiArabia/Kuwait/Australia/NewZealand/Indonesia/Singapore/Malaysia/Thailand/Myanmar/Vietnam/Philippines/Mongolia/China/HongKong/Taiwan/Korea

Registration

ISO 9001 : JSAQ384

ISO 14001 : JSAE597

(ISO 9001 : Sugatsune's bases in Japan,
ISO 14001 : Chiba Factory of Chiba Production Division and Logistics Centre of Logistics Division)

General Construction Business Licence No. :
Tokyo Metropolitan Governor Licence (General –25) No.140997

The Origin of LAMP Brand

The initial trademark for LAMP goods was derived by the company's founder, Tsunezaburo Sugasawara, from the Japanese symbol for "ordinary" (常). By separating this character into its component pieces, he took this to symbolize "the use of fire," which he chose to designate as a metaphor for wisdom and courage. He visualized this concept as a lamp. He thought that Sugatsune goods may, even if only a little, "brighten" society. Sugatsune's reliable quality is still represented by the logo to this day.

HAND_LAMP Mark
Founding time ~ Around 1990

LAMP Mark
Around 1990 ~ Now

Commitment to Quality and the Environment

All departments from planning, manufacturing to sales have a high awareness of quality, and through unremitting efforts, all the domestic bases in Japan have achieved ISO 9001 certification (registration No.: JSAQ384). We also actively engaged in environmental conservation activities, and achieved ISO 14001 certification (registration No.: JSAE597) at our development bases, namely Chiba Factory of Chiba Production Division and Logistics Centre of Logistics Division.

Quality Management System ISO 9001 certification (certification/registration) approved

Quality Policy: I consider the fundamentals and pursue the essential and ideal.

Sugatsune America, Sugatsune Europe, and Sugatsune Shanghai are also ISO 9001 certified.

Environmental Management System ISO 14001 certification (certification/registration) approved

Connect with Us on Social Media

Watch our product videos, including instructional guides on our YouTube channel.

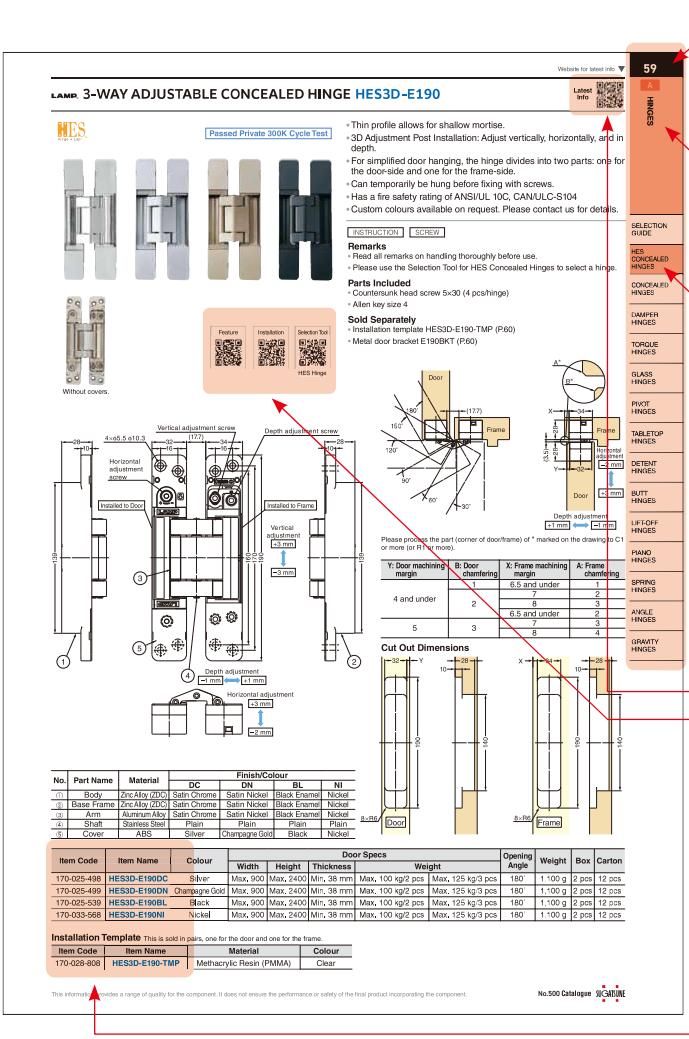
Sugatsune Global

Explore our product applications and stay updated on Instagram and Facebook.

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Description of Main Text

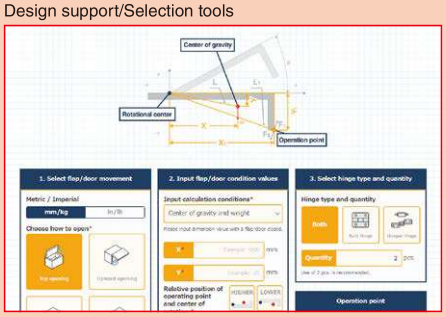


Viewable from the QR code.

Access website, videos and selection tools



Design support/Selection tools



With the selection tool Sasuga-kun, you can select the “Motion Design Tech” products meeting your requirements simply by entering values such as the size and weight of the lid or door. You can use it on our website.

Item Code	Item Name	Col
170-025-498	HES3D-E190DC	Silv
170-025-499	HES3D-E190DN	Champag
170-025-539	HES3D-E190BL	Bla
170-033-568	HES3D-E190NI	Nic

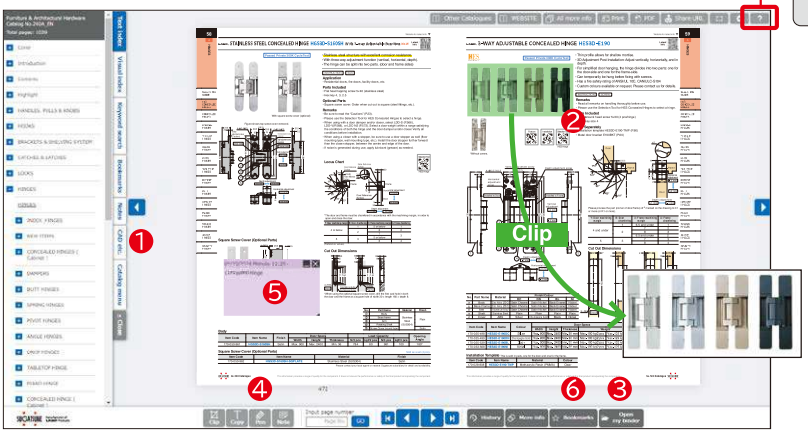
• Please specify the Item Name. and quantity when ordering.

Online Catalogue Functions

❶ CAD etc.
Access product information easily.

❷ Clip
Download images within the dragged area.

❸ MyBinder
Register favourites to MyBinder to download multiple catalogues together as a single PDF.



*Screens may be changed.

See Help for other functions and operation methods.

❹ Pen
Draw arrows, add frames, or take notes on the catalogue as desired.

❺ Note
Enter notes. Display only pages with sticky notes affixed.

❻ Bookmarks
Register favourite pages for easier reference later.

How to Use This Catalogue

- All items, unless specified, are made to exact metric dimension.
- Changes in dimensions, finishes, packing, etc., and suspension of production may occur without notice.
- Our liability is limited to the replacement of the merchandise.

Defective Products

- While great care is taken in the manufacturing of our products, should a defect arise, contact the dealer. The warranty period is one year from the date of our invoice. Should a defect arise during the warranty period, we will replace the product in question with a functioning product within the range of our responsibility.

Returns/Replacements/Post-Order Changes

- Returns and replacements will be handled upon confirming the actual product after customer consultation with a Sugatsune sales representative. Requests for returns or replacements must be made within 30 days of the date of our invoice.
  Please note that customers will be asked to cover handling charges for returns or replacements made at customer convenience.
- Please note that we may not be able to accommodate changes made after placing orders.

Precautions for Mounting

- Improper installation may not only cause the product to malfunction but could also result in damage. Handle with care.
  For some products, installation manuals are included or available online. Read the manual thoroughly to ensure correct installation.
- Pay attention to any loosened mounting screws or fastening parts. Screws or fastening parts may loosen due to the mounting conditions or the usage environment. Such loosening may result in decreased functionality or damage to the mounted product, as well as potential injuries. To ensure safe usage, retighten periodically, even if thread-locker is applied to the screws. Generally, retighten one month after initial use, again six months thereafter, and approximately every year subsequently. Note that these guidelines apply to specific conditions and do not guarantee product quality or safety. Their applicability to the product is to be judged by the customer.

Screws

- The included and recommended screws listed with the product conform to the former JIS standards.

CAD Data (3D & 2D)

- Register as a member on our website to download CAD data. Additionally, we will verify the registered data, as membership is intended for designers.

Product Information

- The information listed in this catalogue is current as of September 2024. Product prices, specifications, dimensions, colours, and other details may change without notice due to improvements or material price fluctuations; products may also be discontinued without notice. For the latest information, see our website.
- Due to the hard copy format, some specifications such as details of dimensions and shapes have been omitted.
  For more detailed information, please contact us.
- Many of the listed products include registered or pending designs, patents, and utility models.
- Due to the hard copy format, product colours may differ slightly from the actual products. Please refer to the actual product for accurate colour representation.
- The photographs and computer graphics in the catalogue are visualisations. Depending on the conditions, installation as shown may not be possible. Confirm before purchase.
- Data on specifications and performance, such as loads, weight, force, is listed for use as a guideline to product selection. The values shown are not guaranteed under all conditions.
- Product content listed in this catalogue indicates the quality range as parts. It does not guarantee the functionality, performance, or safety of the final product using these parts.
- Data when using our products with customer products may involve different figures depending on elements such as mounting accuracy, mounting method, temperature, humidity, dust, indoors/outdoors conditions, target product structure, material, size, installation conditions, and individual operation.
- For test content details, request a test report and confirm as needed.
- When using our products near the limits of the listed data, or when confirmation of safety or durability is required in order to prevent accidents, mount the actual product and confirm, or provide the most detailed possible explanation of the usage conditions to consult with us.
- With some exceptions, our products are furniture and architectural fittings for indoor use. Consult with a sales representative concerning use outdoors, near water, or in severe environments.
- Unauthorized reproduction of this catalogue is strictly prohibited.

Display Content

Material

For material notation, please see “Materials” on P.1367.

Finish (surface treatment)

Finish notations are displayed with the following abbreviations due to limitations of space.

Display	Finish
Bright Chromate	Zinc Plated Bright Chromate
Coloured Chromate	Zinc Plated Coloured Chromate

Coloured chromate is characterized by sharply varying hues; this is not a defect.

■Paint

Paint is displayed as follows. (e.g.) Powder Baked Enamel Paint/White

■Colour Display

There may be multiple display methods for a single colour.

(e.g.) White may be indicated as W, WT, or WH.
Black may be indicated as B or BL.
Silver may be indicated as S or SL.

Dimensional Units

The units for the listed dimensions are millimetres (mm) (unless otherwise stated).

Dimensional Error

The machining process inevitably results in a degree of product error. Be sure to confirm with the actual product before use.

Drawings

With some exceptions, drawings employ the third angle projection method. Due to limitations of space, some detailed dimensions, etc. may been omitted.

Weight

Notations indicate the weight for one product or one set only.

Load Capacity

The figures displayed for load capacity are examples of data we considered reliable and measured values in tests under conditions specified by us; they are not guaranteed values. As the values may vary depending on the usage method and application, be sure to make a selection upon confirmation of suitability for the application before use.

Units are shown in SI units based on the new measuring method, with MKS units also provided.

Quantity

Quantity, when notated, is shown as below.

1 box: Quantity in one small box displayed.
1 carton: Quantity in one cardboard box displayed.


SUGATSUNE



September 2024