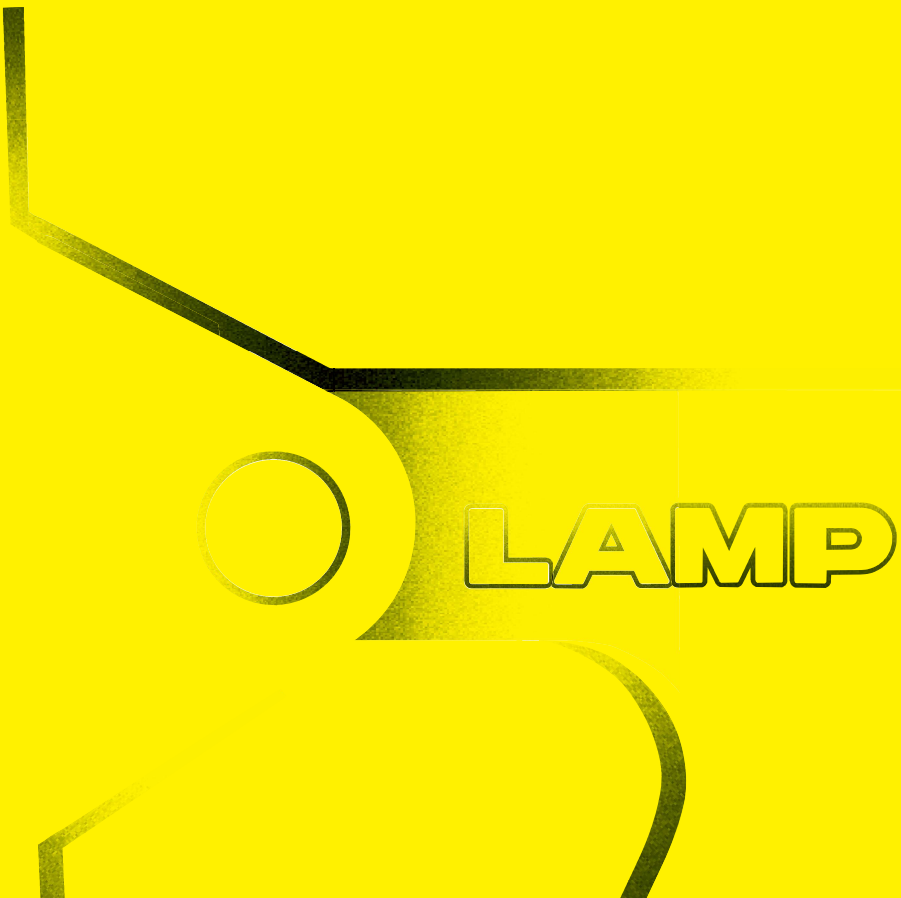
SUGATSUNE

Industrial Component Hardware



June 2022

No.400

INDEX

HINGES
LID SUPPORTS
CATCHES, LATCHES & FASTENERS
DRAWER SLIDES
HANDLES, PULLS & KNOBS
HOOKS & BRACKETS
MONITOR MOUNTS
CABINET DOOR HARDWARE & SHUTTER DOORS
LOCKS
CASTERS
LEVELLING GLIDES & BASE
MISCELLANEOUS

Motion Design Tec

LAMP®

CATCHES, LATCHES & FASTENERS

Catches and latches are a kind of hardware used for holding doors in closed position.

[Latches]
"Latch" means hasp or clasp, which mainly refers to a mechanism that requires operation “releasing the hasp caught on the counter plate”. By using various “releasing” mechanisms such as lever or pusher, easy operation can be realised.

[Catches]
Unlike latch, catch uses other mechanisms than “hasp” for holding, and it mainly refers to a mechanism which "can be released by pulling". Among others, a wide variety of magnetic catches is a core advantage of Sugatsune. We offer various catches with different size, magnetic force and heat resistance.

SUGATSUNE

June 2022

■INDEX by Type

Magnetic Catches P.432~



Used for keeping doors closed, our wide range of magnets include strong force type with neodymium earth, heat resistance type, types compliant to food sanitation law, and types specially designed for clean rooms.

Knuckle Catches & Tension Catches P.465~



Used for keeping the door closed with ball and roller.
Can be used in places sensitive to magnetic force with no magnet used.

Touch Latches P.473~



Door can be opened/closed by single touch, without the need of handle or knob.

Lever Latches P.487~



Door can only be opened by operating latch, so it will not open easily even in case of earthquake or other movement.

Slide / Barrel Bolts P.488~



Locked and unlocked positions can be held simply by operating the knob.

Draw Latches P.499~



By operating the lever, door can be pulled in and held together with the cabinet.

Push Lock Fasteners & Knob Fasteners P.513~



Panel can be attached / detached by simple operation such as pushing and rotating.

Aluminium Frame Corner Connectors P.524~



Aluminium frames can be easily joined together.

Door Dampers P.528~



Damper and door pull-in functions work just before the door fully closes, preventing the door from slamming shut.

■INDEX by Specification

Magnetic Catches

For magnetic catches, refer to 📖 P.430~.

Knuckle Catches & Tension Catches

📖 P.466~

Picture	Product Name	Material	Push-in Force N (kgf)	Pulling Force N (kgf)
	Knuckle Catch NAC 📖 P.466	POM	58N (5.9kgf)	69N (7.0kgf)
	Knuckle Catch JC-T50 📖 P.466	POM	19N (1.9kgf)	20N (2.0kgf)
	Rotary Catch (Mortise Type) RCU 📖 P.467	POM	27N (2.8kgf)	32N (3.3kgf)
	Rotary Catch RC6900, RC6901 📖 P.467	POM	11N (1.1kgf) 24N (2.4kgf) 19N (1.9kgf)	16N (1.6kgf) 29N (3.0kgf) 25N (2.6kgf)
	Knuckle Catch JC-24, JC-26 📖 P.468	POM	28N (2.9kgf) 25N (2.6kgf) 17N (1.7kgf)	23N (2.3kgf) 21N (2.1kgf) 13N (1.3kgf)
	Knuckle Catch (Mortise Type) JCU 📖 P.468	POM	18N (1.8kgf)	17N (1.7kgf)
	Knuckle Catch (Mortise Type) JCU-F 📖 P.469	POM	25N (2.6kgf)	26N (2.7kgf)
	Adjustable Knuckle Catch ESO-6732 📖 P.469	PA	127.4~254.8N (13~26kgf)	78.4~196N (8~20kgf)
	Roller Catch S-1080 (STBRC) 📖 P.470	SUS	9.8N (1.0kgf)	26.5N (2.7kgf)
	Tension Catch BCTS 📖 P.470	SUS316	20N (2 kgf) 23N (2.3kgf) 56N (5.7kgf)	13N (1.3kgf) 18N (1.8kgf) 38N (3.9kgf)

Picture	Product Name	Material	Push-in Force N (kgf)	Pulling Force N (kgf)
	Tension Catch BCU 📖 P.471	Zinc Alloy (ZDC)	35.3N (3.6kgf) 40.2N (4.1kgf)	23.5N (2.4kgf) 38.2N (3.9kgf)
	Tension Catch BCT 📖 P.471	Zinc Alloy (ZDC)	43.1N (4.4kgf) 40.2N (4.1kgf) 45.1N (4.6kgf)	29.4N (3.0kgf) 32.3N (3.3kgf) 34.3N (3.5kgf)
	Roller Catch (Mortise Type) R500R 📖 P.472	Steel (SPCC)	25N (2.6kgf)	64N (6.5kgf)
	Roller Catch R265, R325 📖 P.472	SUS	12.7N (1.3kgf) 9.8N (1kgf)	23.5N (2.4kgf) 30.4N (3.1kgf)
	Roller Catch C882 📖 P.472	PE	–	–

MAGNETIC CATCHES
KNUCKLE CATCHES & TENSION CATCHES
TOUCH LATCHES
LEVER LATCHES
SLIDE / BARREL BOLTS
DRAW LATCHES
PUSH LOCK FASTENERS & KNOB FASTENERS
ALUMINIUM FRAME CORNER CONNECTORS
DOOR DAMPERS

Touch Latches

P.473~

Picture	Product Name	Material	Retaining Force N (kgf)
	Non-magnetic Touch Latch MLC-100DS-WT P.473	Reinforced Nylon / PBT	90N (9.2kgf)
	Non-magnetic Touch Latch MLC-100 P.474	Reinforced Nylon / Reinforced PBT	90N (9.2kgf)
	Non-magnetic Touch Latch MLC-HT130BL P.474	Reinforced PA / Reinforced PBT	117.6N (12kgf)
	Non-magnetic Touch Latch MC-37F P.475	ABS	78N (8kgf)
	Non-magnetic Touch Latch MC-20 P.475	PP	40N (4kgf)
	Non-magnetic Touch Latch PR-21P P.476	ABS	–
	Non-magnetic Touch Latch PR-20P P.476	ABS	–
	Non-magnetic Touch Latch MC-28 P.477	ABS	29N (3kgf)
	Non-magnetic Touch Latch ESN-195/BLK P.477	PBT	34N (3.5kgf)
	Non-magnetic Mini Touch Latch PR4PK-B P.478	POM	12N (1.2kgf)
	Non-magnetic Mini Touch Latch NS2 P.478	PC	–
	Non-magnetic Touch Latch PR3PK P.479	ABS	–

Picture	Product Name	Material	Retaining Force N (kgf)
	Metal Magnetic Touch Latch ML-ZN80 P.480	Zinc Alloy (ZDC)	29.4N (3kgf)
	Magnetic Touch Latch ML-120 P.480	ABS	23.5N (2.4kgf)
	Magnetic Touch Latch ML-80 P.481	ABS	15.7N (1.6kgf)
	Magnetic Touch Latch ML-30S P.481	ABS	11.8N (1.2kgf)
	Magnetic Touch Latch ML-30W P.482	ABS	11.8N (1.2kgf)
	Magnetic Touch Latch MC-25 P.482	PP	4.9N (0.5kgf)
	Magnetic Touch Latch MC-S60 P.483	ABS / POM	10.8N (1.1kgf)
	Magnetic Touch Latch (Mortise Type) MC-U60 P.483	ABS/POM	10.8N (1.1kgf)
	Push Knob Latch TLP-S P.484	Brass/PA	196N (20kgf)
	Push Knob Latch DPL-RO P.485	Zinc Alloy (ZDC) / ABS	98N (10kgf)
	Push Knob Latch DPL-OV P.485	Zinc Alloy (ZDC) / ABS	98N (10kgf)
	Push Knob Latch DPL-SQ P.486	Zinc Alloy (ZDC) / ABS	98N (10kgf)

Lever Latches

P.487~

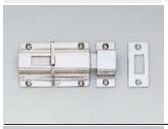
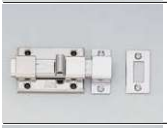
Picture	Product Name	Material	Retaining Force N (kgf)
	Stainless Steel Lever Latch LL-66S P.487	SUS316	196N (20kgf)
	Lever Latch LL-66 P.487	PA/ABS	196N (20kgf)

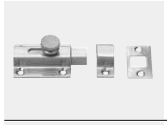
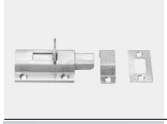
Picture	Product Name	Material	Retaining Force N (kgf)
	Sliding Door Latch HC-30R P.488	SUS	–
	Lever Bolt HR35 P.489	SUS	–

Slide / Barrel Bolts

P.488~

Picture	Product Name	Material
	Bar Latch SSL P.488	SUS
	Bar Latch BLT P.489	SUS
	Bar Latch BLL P.490	SUS
	Bar Latch BLL2 P.491	SUS
	Stainless Steel Hasp HP P.492	SUS
	Slide Bolt FL4 P.493	SUS
	Slide Bolt FL2 P.493	SUS

Picture	Product Name	Material
	Slide Bolt KR75 P.494	SUS
	Slide Bolt KR65 P.494	SUS
	Spring Loaded Barrel Bolt BSS2, BSS3 P.495	SUS
	Spring Loaded Barrel Bolt BSS P.495	SUS
	Spring Loaded Barrel Bolt BLS P.496	SUS
	Spring Loaded Barrel Bolt BL-S P.496	SUS
	Gate Latch SSG P.497	SUS

Picture	Product Name	Material
	Push Barrel Bolt PRS-40 P.497	SUS
	Slide Bolt B-KR P.498	Brass
	Slide Bolt KR-50 P.498	SUS
	Flush Slam Latch P10-55H P.498	Brass

Draw Latches

P.499~

Functions

- Adjustment…Clamping margin adjustable after installation.
- With safety lock…With safety lock for preventing accidental release.
- With hole for padlock or sealing tool…Can be used with padlock (P.873) or sealing tool.
- With cam lock…With cam lock for preventing mischief.

Picture	Product Name	Load Capacity	Functions				Clean Room	Corner Mount	Page
			Adjustment	With Safety Lock	Padlock Sealing Tool	With Cam Lock			
	Draw Latch (Clean Room) STF-CV150	3300N (330kgf)	●				●		P.499
	Draw Latch 93416	1500N (153kgf)	●		●				P.503

Picture	Product Name	Load Capacity	Functions				Clean Room	Corner Mount	Page
			Adjustment	With Safety Lock	Padlock Sealing Tool	With Cam Lock			
	Draw Latch 93415	1000N (102kgf)	●		●				P.503
	Draw Latch (W/ Handle) THF-100	980N (100kgf)	●	●	●				P.500
	Stainless Steel Draw Latch (W/ Safety Lock) STF100	784N (80kgf)		●					P.501
	Stainless Steel Draw Latch (W/ Safety Lock) STF82L	784N (80kgf)		●					P.502
	Stainless Steel Draw Latch (Spring Loaded) STF80	784N (80kgf)							P.502
	Draw Latch THF-75	730N (75kgf)	●	●	●				P.501
	Stainless Steel Draw Latch PN-51	686N (70kgf)							P.511
	Stainless Steel Compression Latch STF-CP140	600N (61kgf)	●	●	●				P.506
	Stainless Steel Draw Latch (Spring Loaded) SCC-60	600N (61kgf)							P.507
	Stainless Steel Draw Latch SCC-TF30	500N (51kgf)	●						P.499
	Draw Latch P34	400N (41kgf)			●				P.508
	Corner Fastener (W/ Lock) STF-C64A/STF-C64B	330N (34kgf)		●	●			●	P.504
	Draw Latch (Spring Loaded) SCCA-60	330N (34kgf)							P.508
	Draw Latch P91	300N (31kgf)							P.508
	Stainless Steel Draw Latch STF40	300N (30.6kgf)							P.503
	Stainless Steel Draw Latch (Spring Loaded) SCC-40	250N (25kgf)							P.507
	Stainless Steel Draw Latch (Spring Loaded) SCC-30	200N (20kgf)							P.507
	Draw Latch (Spring Loaded) SCCA-40	200N (20kgf)							P.508
	Stainless Steel Draw Latch (Spring Loaded) SCC-25	100N (10kgf)							P.507
	Corner Fastener STF-A56AH/STF-A56AC	–						●	P.505
	Corner Fastener PS34A	–			●			●	P.505
	Draw Latch PS, P	–			●				P.509
	Draw Latch P11	–			●				P.509
	Stainless Steel Draw Latch P100SUS	–							P.509
	Draw Latch P	–							P.510
	Stainless Steel Draw Latch PS35	–							P.510
	Draw Latch P1040	–							P.511
	Draw Latch P102H	–							P.512

Push Lock Fastener & Knob Fastener

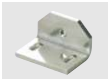
P.514~

Picture	Product Name	Panel Thickness
	Push Lock Fastener 251F, 151F Large/Flush Type P.514	–
	Stainless Steel Push Lock Fastener 152FT Mini/Flush Type P.515	–
	Push Lock Fastener 252F, 152F Mini/Flush Type P.516	–
	Push Lock Fastener 255F, 155F Mini/Button Type P.518	–
	Push Lock Fastener 149FN Push-Turn Type For Horizontal Use Only P.520	–
	Knob Fastener BRT Fall-preventing Screw P.521	–

Picture	Product Name	Panel Thickness
	Knob Fastener BRT-NC P.521	–
	Knob Fastener DBN Snap-in Installation P.522	Max. 5
	Knob Fastener BRF P.522	–
	Knob Fastener RTS-W (New Model of the UN) P.523	–
	Knob Fastener RTS-B (New Model of the UN) P.523	–

Aluminium Frame Corner Connectors

P.524~

Picture	Product Name	Aluminium Frame Groove Width
	Corner Connector PJ One-touch Connector Post-installation Type P.524	For 6 mm 8 mm 10 mm
	Panel Fixing Middle Bracket AS-PTB P.525	–

Picture	Product Name	Aluminium Frame Groove Width
	Stainless Steel AS Nut Post-installation Type P.526	For 6 mm 8 mm 10 mm

Door Dampers

P.528~

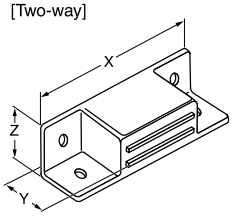
Picture	Product Name	Door Width	Door Weight
	Damper Catch DC P.528	Max. 450 Max. 600	Max. 4kg Max. 7kg
	Damper Catch DC-200 P.530	450~900	7~40kg
	Door Damper LDD-V P.532	Max. 900	15~40kg

Picture	Product Name	Door Width	Door Weight
	Door Damper LDD-S P.536	Max. 900	15~40kg
	Door Damper LDD-V100 P.538	Max. 900	40~100kg

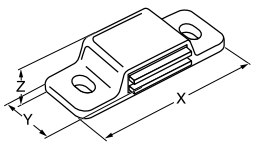
INDEX by Specification

Magnetic Catches (Magnetic Force · Size · Mounting direction · Description)

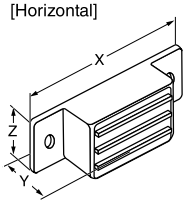
[Two-way]



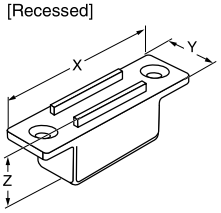
[Vertical]



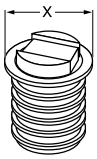
[Horizontal]



[Recessed]



[Rounded]



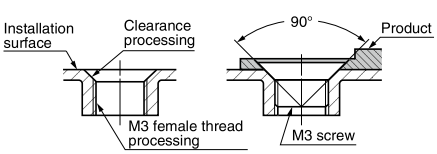
Item Name	Magnetic Force N	Size			Mounting direction	Description	Material	Page
		X	Y	Z				
MCH-105	147	105	21.5	21.4	Two-way	–	Zinc Alloy (ZDC)	P.457
MC0083HP-140	140	50	14.1	17	Horizontal	Heat Resistance, Anti rust	Stainless Steel (SUS304)	P.432
MC0083-N	137	50	14.1	17	Horizontal	–	Stainless Steel (SUS304)	P.432
MCH-80	137	80	21.5	20	Two-way	–	Zinc Alloy (ZDC)	P.457
MCH-61	107	61	21.5	20	Two-way	–	Zinc Alloy (ZDC)	P.457
MC0083D	98	80	13	17	Horizontal	–	Brass	P.432
MC12S	88.2	75.5	24	13	Vertical	–	Aluminium Alloy	P.436
MC-159-8	78.4	41	3	16.5	Horizontal	Ultra Thin	Steel	P.444
MC-110NF	78.4	45	10	11	Two-way	–	PC	P.457
MC-YN005-N	73.5	39	7	11	Horizontal	–	Stainless Steel (SUS430)	P.433
MC0083HP-70	70	50	14.1	17	Horizontal	Heat Resistance, Anti rust	Stainless Steel (SUS304)	P.432
MC-FS-4SW	69	45	6.7	10.7	Recessed	Snap-in Installation	POM	P.458
MC0083	68.6	50	13	17	Horizontal	–	Brass	P.432
SB11A-AA-1	68.6	86.5	26.5	15.3	Vertical	–	Aluminium Alloy	P.434
MCH-50	68	50	21.5	20	Two-way	–	Zinc Alloy (ZDC)	P.457
MC-FS17W	58.8	64	10	14	Recessed	Snap-in Installation	ABS	P.460
MC-SPL	54.9	106	20.5	16	Vertical	Anti rust	PBT	P.436
MC200-1	53.9	48	22.5	12	Vertical	–	PE	P.437
MC0051	53.9	46	12	14.8	Recessed	–	ABS	P.461
MC0099GP	51	45	14.5	11.5	Two-way	–	PC	P.456
MC-YN005HP-50	50	39	7	11	Horizontal	Heat Resistance, Anti rust	Stainless Steel (SUS430)	P.434
MC12	49	75.5	24	13	Vertical	–	Aluminium Alloy	P.436
MC009S	49	45	15	12	Vertical	–	PE	P.437
MC-111	49	64	7.5	24.5	Horizontal	–	ABS	P.439
MC-159-SUS	49	41	2.8	16.5	Horizontal	Ultra Thin, Anti rust	Stainless Steel (SUS430)	P.444
MC-JM63G-50	49	63	19	14	Two-way	Clean room, Anti rust	POM	P.452
MC-SPM	47	86	17	13	Vertical	Anti rust	PBT	P.436
MC-YC-06	44.1	34	13.5	8	Two-way	–	Zinc Alloy (ZDC)	P.436
MC-FP5S	44.1	40	10	13.5	Recessed	Snap-in Installation	ABS	P.459
MC-FS10	44.1	64	10	14	Recessed	Snap-in Installation	ABS	P.460
SB11B-AA-1	39.2	56.5	26.5	15.3	Vertical	–	Aluminium Alloy	P.434
MS6	39.2	36.5	22	19	Vertical	–	Plastic	P.440
MC-159-4-STD	39.2	35	2.2	16.5	Horizontal	Ultra Thin, Back Mount	Stainless Steel (SUS430)	P.445
MC-MS50	39.2	50	6.6	17	Horizontal	Clean room, Anti rust	Silicone Rubber (Q)	P.446
MC-MSH50BU	39.2	50	6.6	17	Horizontal	Hygienic, Anti rust	Silicone Rubber (Q)	P.447
MC-159	39	41	2.6	16.5	Horizontal	Ultra Thin	Steel (SPCC)	P.443
MC0099S	37.2	45	14.5	11.5	Two-way	–	ABS	P.456
HT-MSG72-ER	35	72	26.9	51.7	Vertical	With Emergency Open Function	Stainless Steel (SCS13)	P.462
MC200	34.3	48	22.5	12	Vertical	–	PE	P.437
MC0097-1	34.3	41	18.5	10	Vertical	–	PE	P.437
MC-FS-2SW	34	26.5	6.7	9.7	Recessed	Snap-in Installation	ABS	P.458
MC-421-30	30	42	2.4	10.2	Horizontal	Ultra Thin	Steel (SPCC)	P.442
MC-YN005	29.4	39	7	11	Horizontal	–	Stainless Steel (SUS430)	P.433
MC-YS001	29.4	34	13.5	6	Vertical	–	PBT	P.435
MC84	29.4	46	25	14.2	Vertical	–	ABS	P.437
MC-112	29.4	53	6.7	23.5	Horizontal	–	ABS	P.439
MC-JM45	29.4	45	5.6	17	Horizontal	Clean room, Anti rust	PP	P.448
MC-JM50	29.4	50	21	13	Vertical	Clean room, Anti rust	POM	P.450
MC-JMS45WT	29.4	45	27	19	Vertical	Clean room, Anti rust	Stainless Steel (SUS304)	P.451
MC-JM63G-30	29.4	63	19	14	Two-way	Clean room, Anti rust	POM	P.452

Item Name	Magnetic Force N	Size			Mounting direction	Description	Material	Page
		X	Y	Z				
SMC-103	29.4	45	17	11.2	Two-way	Built-in reed switch	PC	P.454
MC-JM74SW-30	29.4	74	30	14	Two-way	Clean room, Anti rust, Built-in reed switch	POM	P.456
MC-SS30	29.4	29	17	24	Recessed	Snap-in Installation	ABS	P.460
MC-YSW02	29	41	14.6	14.6	Vertical	Snap-in Installation	POM	P.435
MCH-40	29	40	21.5	20	Two-way	–	Zinc Alloy (ZDC)	P.457
MC-KL	27.4	60	18	16	Vertical	–	PBT	P.438
MC-YN016HP-27	27	35	2.8	12	Horizontal	Heat Resistance, Ultra Thin, Anti rust	Stainless Steel (SUS430)	P.441
MC-YN001, MC-YN001P	26.5	35	2.2	12	Horizontal	Ultra Thin	Steel (SPCC)	P.442
MC-JMF54	25	54	10	16.5	Recessed	Clean room, Anti rust, Snap-in Installation	PP	P.451
MC-FS-4W	25	45	6.7	9.7	Recessed	Snap-in Installation	ABS	P.458
MC009	24.5	45	15	12	Vertical	–	PE	P.437
MC0750	24.5	42	6.7	18	Horizontal	–	Steel (SPCC)	P.439
MC-125	24.5	26.5	30.1	16.5	Vertical	–	ABS	P.440
MC-IS4	24.5	14	–	–	Rounded	–	PA	P.461
MC-IS4F	24.5	14	–	–	Rounded	–	PA	P.461
MC-421SUS-24	24	42	2.7	10	Horizontal	Ultra Thin, High Corrosion Resistance	Stainless Steel (SUS430)	P.442
MC-EL	23.5	60	18	16	Vertical	–	PE	P.438
MC-KM-S	23.5	50.5	17	12	Vertical	–	PBT	P.438
MS4	23.5	33	22	16.5	Vertical	–	Plastic	P.440
MC-YN015S	22.5	35	2.2	12	Horizontal	Ultra Thin, Anti rust	Stainless Steel (Equivalent)	P.441
MC-FP5	21.6	40	10	13.5	Recessed	Snap-in Installation	ABS	P.459
MC-FS34G	21.6	26	9.8	12.5	Recessed	Snap-in Installation	PA	P.459
MC-YN005HP-20	20	39	7	11	Horizontal	Heat Resistance, Anti rust	Stainless Steel (SUS430)	P.434
MC-SM10	20	39	11.5	11	Vertical	–	Aluminium Alloy	P.438
MC-EM-S	19.6	49.5	16	14	Vertical	–	PE	P.438
MC-159-2-STD	19.6	35	2.2	16.5	Horizontal	Ultra Thin, Back Mount	Stainless Steel (SUS430)	P.445
MC-MS45	19.6	45	6.6	17	Horizontal	Clean room, Anti rust	Silicone Rubber (Q)	P.446
MC-MSH45BU	19.6	45	6.6	17	Horizontal	–	Silicone Rubber (Q)	P.447
MC-YN003	16.6	36	4.5	9	Horizontal	–	Steel (SPCC)	P.439
MC-YN016HP-15	15	35	2.8	12	Horizontal	Heat Resistance, Ultra Thin, Anti rust	Stainless Steel (SUS430)	P.441
MC-FS-2W	15	26.5	6.7	9.7	Recessed	Snap-in Installation	ABS	P.458
MC0097	14.7	41	18.5	10	Vertical	–	PE	P.437
MC-S88	14.7	46	21	15	Vertical	–	Aluminium Alloy	P.438
MC-158	14.7	41	2.6	16.5	Horizontal	Ultra Thin	Steel (SPCC)	P.443
MC-JM38	14.7	38	3.2	16.5	Horizontal	Ultra Thin, Clean room	Polypropylene	P.447
MC-JM63G-15	14.7	63	19	14	Two-way	Clean room, Anti rust	POM	P.452
MC-FS3	12.7	24.2	9.6	12.3	Recessed	Snap-in Installation	ABS	P.458
MC-FS34W, MC-FS34B	12.7	26	9.8	12.5	Recessed	Snap-in Installation	PA	P.459
MC-YS002	12	34	13.5	6	Vertical	–	PBT	P.435
MC-421-11	11	42	2.4	10.2	Horizontal	Ultra Thin	Steel (SPCC)	P.442
MC0099	10.8	45	14.5	11.5	Two-way	–	ABS	P.456
NB01	10.78	9.5	–	–	Rounded	–	PA	P.461
MC-113	9.8	43	6.5	17	Horizontal	–	ABS	P.439
SMC-101B	9.8	45	17	11.2	Two-way	Built-in reed switch	PC	P.454
MC-IS2	9.8	10	–	–	Rounded	–	PA	P.461
MC-421SUS-9	9	42	2.7	10	Horizontal	Ultra Thin, High Corrosion Resistance	Stainless Steel (SUS430)	P.442
MC-S78	7.8	38	18	11	Vertical	–	Aluminium Alloy	P.439
CM-2B	3.9	13	5	7.9	Recessed	Snap-in Installation	PA	P.460

[Cautions]

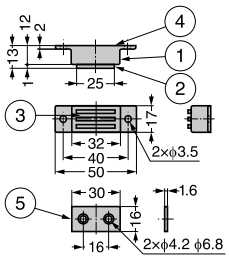
- There are variations in the magnetic force of the product. Please confirm with the actual product.
- Please refer to the drawing of clearance processing for screw holes shown in the right in case the products or the counter plates have to be installed with countersunk screws.

Reference of the drawing (In case of M3 screws)



MAGNETIC CATCH MC0083





[Remarks]
- Be sure to read the "Cautions" 1

[Parts Included]
- Counter plate

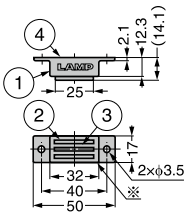
No.	Part Name	Material	Finish
①	Body	Brass	Nickel
②	Yoke	Steel (SPCC)	
③	Magnet	Ferrite	–
④	Cover	Aluminium Alloy	Anodised
⑤	Counter plate	Steel (SPCC)	Nickel

RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-058-068	MC0083	68.6	7.0	32	40	400

Refer to 1 : P.431

MAGNETIC CATCH MC0083-N Strong Force Type





※part is marked with item name

- Strong magnetic force.

[Applications]
- Kitchen, experimental equipment, etc.

[Remarks]
- Be sure to read the "Cautions" 1.
- Max. temperature: 80˚C

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

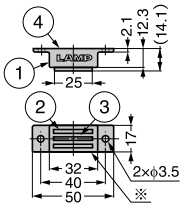
RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-026-513	MC0083-N	137	14	41	40	400

Refer to 1 : P.431

MAGNETIC CATCH MC0083HP

NSF SUS





※part is marked with item name

- Suitable for high temperature environments up to 250℃. Small with strong magnetic force.
- Anti rust: made of stainless steel.

[Counter Plate] Sold Separately

RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-138	AS-68	17	100	1000

[Applications]
- Kitchen, experimental equipment, etc.

[Sold Separately]
- Counter plate (SUS) AS-68 2

[Remarks]
- Be sure to read the "Cautions" 1.

[Body]

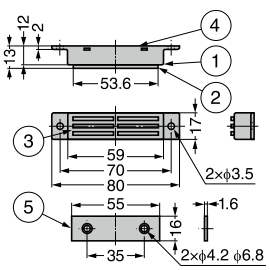
RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-012-729	MC0083HP-70	70	7.1	40	40	400
G	3D	140-012-613	MC0083HP-140	140	14.3		40	400

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

Refer to 1 : P.431, 2 : P.464

MAGNETIC CATCH MC0083D





[Remarks]
- Be sure to read the "Cautions" 1.

[Parts Included]
- Counter plate

No.	Part Name	Material	Finish
①	Body	Brass	Nickel
②	Yoke	Steel (SPCC)	
③	Magnet	Ferrite	–
④	Cover	Aluminium Alloy	Anodised
⑤	Counter plate	Steel (SPCC)	Nickel

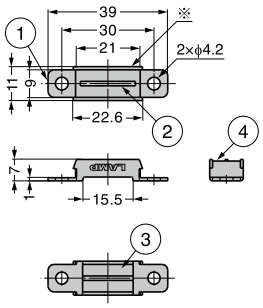
RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-058-067	MC0083D	98	10	63	20	200

Refer to 1 : P.431

MAGNETIC CATCH MC-YN005 Centre Yoke Type

NSF AS SUS





- Thin magnetic catch ideal for tight spaces.
  Heat resistance type MC-YN005HP 1 of the same shape also available.
- Small body with strong magnetic force.
- MC-YN005 (ferrite magnet type) made of stainless steel with excellent rust prevention.
- AS parts set (below) for installing to aluminium frame also available.
- Neodymium magnet type MC-YN005N is newly launched.
  ※part is marked with item name for identification.

[Applications]
- Food equipment, kitchen equipment, etc.

[Remarks]
- Be sure to read the "Cautions" 2.

[Body]

RoHS	CAD	Item Code	Item Name	Magnet	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-059-558	MC-YN005	Ferrite	29.4	3	9	200	1000
G	3D	140-026-512	MC-YN005-N	Neodymium	73.5	7.5	10	200	1000

Refer to 1 : P.434, 2 : P.431

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

AS Parts Set for Installing to Aluminium Frame

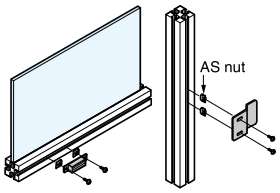
Please refer to the series introduction page 1 for details about AS series.



[AS Parts Set] Parts set of brackets, counter plate, screws and AS nuts used for installing to aluminium frame

RoHS	CAD	Item Code	Item Name	Aluminium Frame	Parts	Weight (g)
G	–	140-041-501	AS-MC-YN005-30-6	30×30 Groove Width 6 mm	Magnetic Catch MC-YN005 : 1 pc Counter Plate AS-YN005F : 1 pc AS Nut AS-6M4 : 4 pcs M4×10 Hexagon Socket Button Head Screw : 4 pcs	–
G	–	140-041-502	AS-MC-YN005-30-8	30×30 Groove Width 8 mm	Magnetic Catch MC-YN005 : 1 pc Counter Plate AS-YN005F : 1 pc AS Nut AS-8M4 : 4 pcs M4×10 Hexagon Socket Button Head Screw : 4 pcs	–
G	–	140-041-503	AS-MC-YN005-40-8	40×40 Groove Width 8 mm		–
G	–	140-041-504	AS-MC-YN005-40-10	40×40 Groove Width 10 mm	Magnetic Catch MC-YN005 : 1 pc Counter Plate AS-YN005F : 1 pc AS Nut AS-10M4 : 4 pcs M4×12 Hexagon Socket Button Head Screw : 4 pcs	–
G	–	140-041-505	AS-MC-YN005-40-8-30-6	Door: 30×30 Groove Width 6 mm Frame: 40×40 Groove Width 8 mm	Magnetic Catch MC-YN005 : 1 pc Counter Plate AS-YN005D : 1 pc AS Nut AS-6M4 : 2 pcs AS Nut AS-8M4 : 2 pcs M4×10 Hexagon Socket Button Head Screw : 4 pcs	–
G	–	140-041-506	AS-MC-YN005-40-10-30-8	Door: 30×30 Groove Width 8 mm Frame: 40×40 Groove Width 10 mm	Magnetic Catch MC-YN005 : 1 pc Counter Plate AS-YN005D : 1 pc AS Nut AS-8M4 : 2 pcs AS Nut AS-10M4 : 2 pcs M4×10 Hexagon Socket Button Head Screw : 2 pcs M4×12 Hexagon Socket Button Head Screw : 2 pcs	–

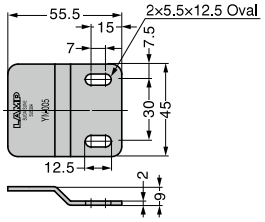
[Installation] **[Counter Plate Installation]**



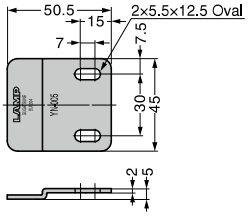
Refer to 1 : P.20, 2 : P.526

STAINLESS STEEL COUNTER PLATE AS-YN005

SUS



Counter Plate AS-YN005F
(Flat type)



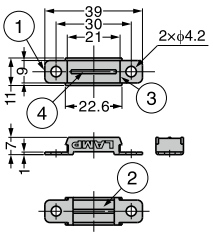
Counter Plate AS-YN005D
(Stepped type)

RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-090-696	AS-YN005D	Stainless Steel (SUS430)	Barrel Polished	–	50	300
G	3D	140-090-697	AS-YN005F			38	50	300

MAGNETIC CATCH MC-YN005HP Centre Yoke Type



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



- Suitable for high temperature environments up to 250℃. Non-heat resistance type MC-YN005 1 of the same shape also available.
- Anti rust: made of stainless steel.
- Thin magnetic catch ideal for tight spaces.
- Small body with strong magnetic force.

[Applications]
- Kitchen, experimental equipment, etc.

[Remarks]
- Be sure to read the "Cautions" 2 .

[Sold Separately]
- Counter plate (SUS) MC-JM49 3

[Body]

RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-012-617	MC-YN005HP-20	20	2	11	200	1000
G	3D	140-012-625	MC-YN005HP-50	50	5.1		200	1000

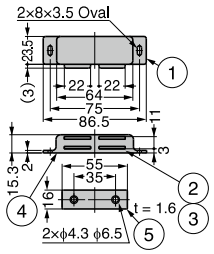
[Counter Plate] Sold Seperately

RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-149	MC-JM49	10	100	1000

Refer to 1 : P.433, 2 : P.431, 3 : P.464

MAGNETIC CATCH SB11A-AA-1 With Spring





- Built-in spring in the yoke reduces impact.

[Remarks]
- Be sure to read the "Cautions" 1 .

[Parts Included]
- Counter Plate

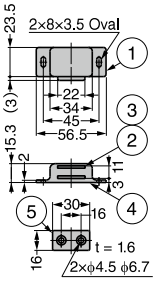
No.	Part Name	Material	Finish
①	Body	Aluminium Alloy	Gold Anodised
②	Yoke	Steel (SPCC)	Nickel
③	Magnet	Ferrite	–
④	Cover	Aluminium Alloy	
⑤	Counter Plate	Steel (SPCC)	Nickel

RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
–	3D	140-050-160	SB11A-AA-1	68.6	7	72	20	200

Refer to 1 : P.431

MAGNETIC CATCH SB11B-AA-1 With Spring





- Built-in spring in the yoke reduces impact.

[Remarks]
- Be sure to read the "Cautions" 1 .

[Parts Included]
- Counter plate

No.	Part Name	Material	Finish
①	Body	Aluminium Alloy	Gold Anodised
②	Yoke	Steel (SPCC)	Nickel
③	Magnet	Ferrite	–
④	Cover	Aluminium Alloy	
⑤	Counter Plate	Steel (SPCC)	Nickel

RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-161	SB11B-AA-1	39.2	4	36.7	40	400

Refer to 1 : P.431

MAGNETIC CATCH MC-YS

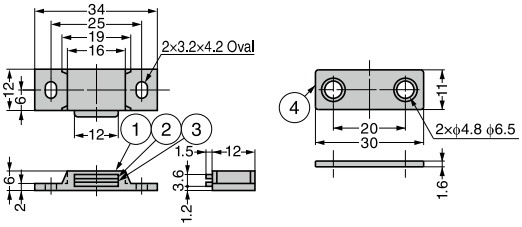


- Thin magnetic catch of 6mm high ideal for tight spaces.
- Small body with strong magnetic force by using neodymium magnet: MC-YS001, MC-YS001P.
- Weaker magnetic force (ferrite magnet): MC-YS002, MC-YS002P.
- Zinc alloy MC-YC-06 1 with strong magnetic force also available.

[Remarks]
- Be sure to read the "Cautions" 2.
- Max. temperature for neodymium magnet: 80℃

[Parts Included]
For MC-YS001P, MC-YS002P only
- Counter Plate
- Countersunk head wood screw 2.9×13, pan head wood screw 3.1×13

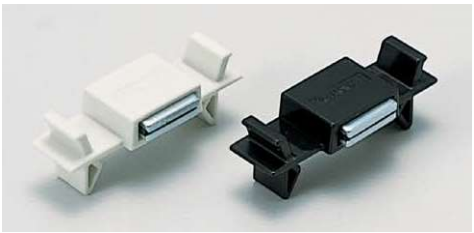
No.	Part Name	Material		Finish / Colour	
		MC-YS001 MC-YS001P	MC-YS002 MC-YS002P	MC-YS001 MC-YS001P	MC-YS002 MC-YS002P
①	Body	PBT		White	
②	Yoke	Steel (SPCC)		Coloured Zinc Chromate (Trivalent)	Clear Zinc Chromate (Trivalent)
③	Magnet	Neodymium	Ferrite	Nickel	–
④	Counter Plate	Steel		Coloured Zinc Chromate (Trivalent)	



RoHS	CAD	Item Code	Item Name	Type	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-298	MC-YS001	Magnetic Catch Only	29.4	3	6	100	1000
G	3D	140-050-296	MC-YS001P	Magnetic Catch・Counter Plate & Screws				100	1000
G	3D	140-050-297	MC-YS002	Magnetic Catch Only	12	1.2	5	100	1000
G	3D	140-050-295	MC-YS002P	Magnetic Catch・Counter Plate & Screws				100	500

Refer to 1 : P.436, 2 : P.431

MAGNETIC CATCH MC-YSW SNAP-IN TYPE

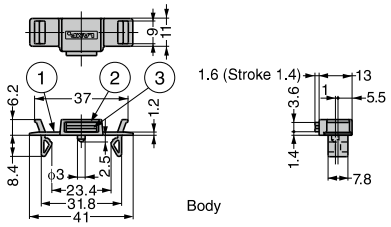


- Snap-in magnetic catch for sheet metal applications.
- Thin magnetic catch of 6mm high ideal for tight spaces.
- Small body with strong magnetic force by using neodymium magnet: MC-YSW02.

[Remarks]
- Be sure to read the "Cautions" 1.
- Max. temperature for neodymium magnet: 80℃
- For 1mm and 2mm door, please use spacer YS-P05 (not need for 1.6mm and 2.6mm door).

[Sold Separately]
- Spacer YS-P05

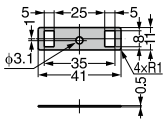
No.	Part Name	Material	Finish / Colour
		MC-YSW02	MC-YSW02
①	Body	POM	White, Black
②	Yoke	Steel (SPCC)	Coloured Zinc Chromate (Trivalent)
③	Magnet	Neodymium	Nickel



Body



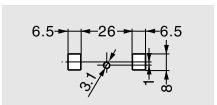
Spacer YS-P05



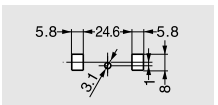
Spacer

[Cut Out Dimensions]

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



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



[Body]

RoHS	CAD	Item Code	Item Name	Colour	Magnet	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-002	MC-YSW02W	White	Neodymium	29	3	5.5	100	1000
G	3D	140-050-029	MC-YSW02B	Black					100	1000

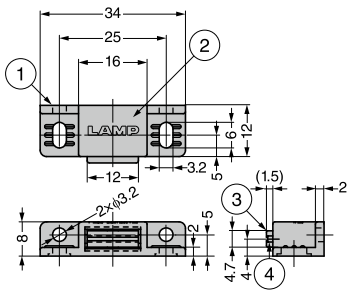
[Spacer] Sold Separately

RoHS	CAD	Item Code	Item Name	Material	Colour	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-003	YS-P05	PP	Natural	0.16	1000	10000

Refer to 1 : P.431

MAGNETIC CATCH MC-YC-06





- Strong die-cast body.
- Small body with strong magnetic force by using neodymium magnet.
- Can be installed vertically or horizontally.

[Remarks]
- Be sure to read the "Cautions" 1.
- Max. temperature: 80˚C

[Recommended Screws]
- M3 Pan head screw
  MC-YS 2 with PBT body also available.

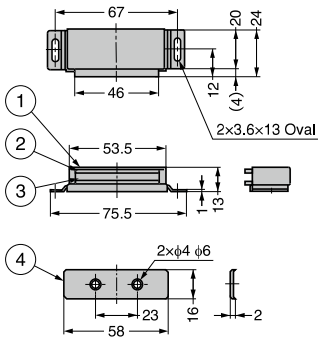
No.	Part Name	Material	Finish
①	Body	Zinc Alloy (ZDC)	Nickel
②	Case Bracket	Stainless Steel (SUS304)	–
③	Yoke	Steel	Clear Zinc Chromate (Trivalent)
④	Magnet	Neodymium	Nickel

RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-028-432	MC-YC-06	44.1	4.5	12	100	1000

Refer to 1 : P.431, 2 : P.435

MAGNETIC CATCH MC12





[Remarks]
- Be sure to read the "Cautions" 1.

[Parts Included]
- Counter Plate

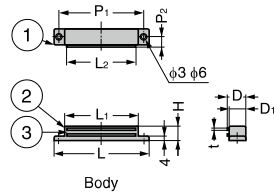
No.	Part Name	Material	Finish
①	Body	Aluminium Alloy	MC12: Gold Anodised
			MC12S: Paint/Metallic Brown
②	Yoke	Steel (SPCC)	MC12: Clear Zinc Chromate (Trivalent)
			MC12S: Chrome
③	Magnet	Ferrite	–
④	Counter Plate	Steel (SPCC)	MC12: Clear Zinc Chromate (Trivalent)
			MC12S: Chrome

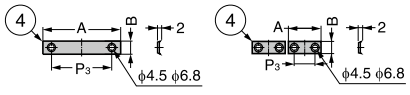
RoHS	CAD	Item Code	Item Name	Finish	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-093	MC12	Gold Anodised	49	5	72.9	20	200
G	3D	140-050-094	MC12S	Paint/Metallic Brown	88.2	9		20	200

Refer to 1 : P.431

MAGNETIC CATCH MC-SP







- Sponge inside reduces noise when the door closed.

[Remarks]
- Be sure to read the "Cautions" 1.

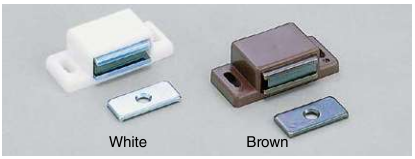
[Parts Included]
- Counter plate
- Sponge cushion
- Countersunk head wood screw 2.7×1.6 (SUS)

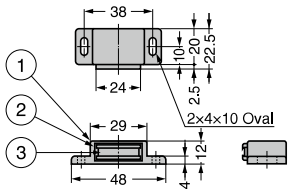
No.	Part Name	Material	Colour
①	Body	PBT	White
②	Yoke	Stainless Steel (SUS430)	Plain
③	Magnet	Ferrite	
④	Counter Plate	Stainless Steel (SUS430)	

RoHS	CAD	Item Code	Item Name	L	L1	L2	D	D1	H	P1	P2	t	A	B	P3	Magnetic Force N	Magnetic Force kgf	Weight (g)	Screw (pc)	Box (pcs)	Carton (pcs)
G	3D	140-050-070	MC-SPM-S	86	68.4	63	17	15	13	77	9.5	1.5	70	12	57	47	4.8	57	4	12	360
G	3D	140-050-071	MC-SPM-W										30	11	20			53.5	6	12	360
G	3D	140-050-072	MC-SPL-S	106	85.6	80	20.5	18	16	94	11.5	2	79	14	65	54.9	5.6	100	4	6	180
G	3D	140-050-073	MC-SPL-W										38		25				6	6	180

Refer to 1 : P.431

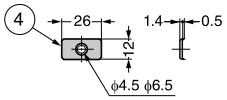
MAGNETIC CATCH MC200





[Remarks]
- Be sure to read the "Cautions" 1

[Parts Included]
- Counter plate



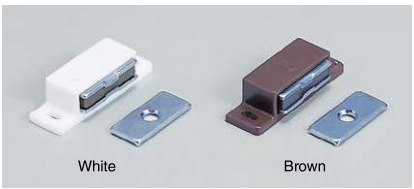
No.	Part Name	Material	Finish / Colour
①	Body	PE	White, Brown
②	Yoke	Steel (SPCC)	(White) Clear Zinc Chromate※
			(Brown) Bronze※
③	Magnet	Ferrite	–
④	Counter Plate	Steel (SPCC)	(White) Clear Zinc Chromate※
			(Brown) Bronze※

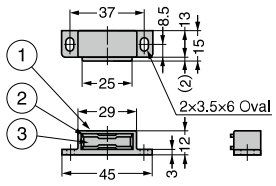
※The finishes will be "Clear Zinc Chromate (Trivalent)" when the current stock is run out.

RoHS	CAD	Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G'	3D	140-058-030	MC200W	White	34.3	3.5	20	100	1000
G'	3D	140-058-031	MC200BR	Brown				100	1000
G'	3D	140-058-032	MC200W-1	White	53.9	5.5		100	1000
G'	3D	140-058-033	MC200BR-1	Brown				100	1000

Refer to 1 : P.431

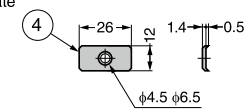
MAGNETIC CATCH MC009





[Remarks]
- Be sure to read the "Cautions" 1

[Parts Included]
- Counter plate



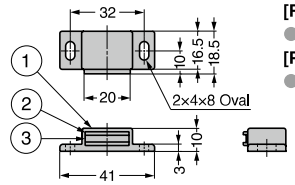
No.	Part Name	Material	Finish / Colour
①	Body	PE	White, Brown
②	Yoke	Steel (SPCC)	Clear Zinc Chromate
③	Magnet	Ferrite	–
④	Counter Plate	Steel (SPCC)	Clear Zinc Chromate

RoHS	CAD	Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G'	3D	140-040-008	MC009W	White	24.5	2.5	17	100	1000
G'	3D	140-058-010	MC009BR	Brown				100	1000
G'	3D	140-040-009	MC009SW	White	49	5		100	1000
–	3D	140-058-012	MC009SBR	Brown				100	1000

Refer to 1 : P.431

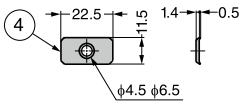
MAGNETIC CATCH MC0097





[Remarks]
- Be sure to read the "Cautions" 1

[Parts Included]
- Counter plate



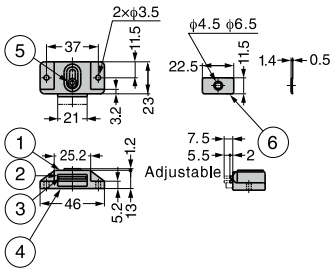
No.	Part Name	Material	Finish / Colour
①	Body	PE	White, Black
②	Yoke	Steel (SPCC)	Clear Zinc Chromate (Trivalent)
③	Magnet	Ferrite	–
④	Counter Plate	Steel (SPCC)	Clear Zinc Chromate (Trivalent)

RoHS	CAD	Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G'	3D	140-050-331	MC0097W	White	14.7	1.5	12	100	1000
G'	3D	140-050-332	MC0097B	Black				100	1000
G'	3D	140-050-329	MC0097W-1	White	34.3	3.5		100	1000
G'	3D	140-050-330	MC0097B-1	Black				100	1000

Refer to 1 : P.431

MAGNETIC CATCH MC84





- Yoke position adjustable 5.5mm back and forward.

[Remarks]
- Be sure to read the "Cautions" 1.

[Parts Included]
- Counter plate
- 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 (SPCC)	Bronze※	Nickel※
③	Magnet	Ferrite	—	—
④	Back Cover	ABS	Brown	White
⑤	Screw	Steel (SS)	Bronze※	Nickel※
⑥	Counter Plate	Steel (SPCC)		

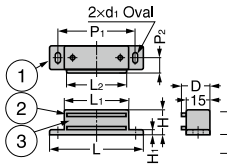
※The finishes will be "Clear Zinc Chromate (Trivalent)" when the current stock is run out.

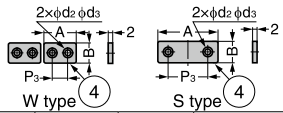
RoHS	CAD	Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G'	3D	140-058-046	MC84BR	Brown	29.4	3	18	100	1000
G'	3D	140-058-047	MC84BG	Beige				100	1000

Refer to 1 : P.431

MAGNETIC CATCH MC-K







No.	Part Name	Material	Finish / Colour
①	Body	PBT	White
②	Yoke	Steel (SPCC)	Clear Zinc Chromate (Trivalent)
③	Magnet	Ferrite	–
④	Counter Plate	Steel (SPCC)	Chrome

●Sponge inside reduces noise when the door closed.

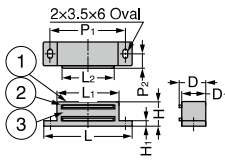
[Remarks]
●Be sure to read the "Cautions" 1.
[Parts Included]
●Counter plate
●Sponge cushion
●Pan head wood screw 3.1×13
●Countersunk head wood screw 2.9×13

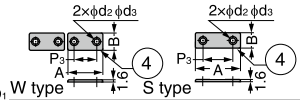
RoHS	CAD	Item Code	Item Name	L	L1	L2	D	H	H1	P1	P2	d1	A	B	P3	d2	d3	Magnetic Force N	Magnetic Force kgf	Weight (g)	Screw (pcs)	Box (pcs)	Carton (pcs)
G	3D	140-050-290	MC-KM-S	50.5	33	30	17	12	3	42	10	3.2×6.2	30	11.5	20	4.2	6.7	23.5	2.4	26	4	12	720
G	3D	140-050-291	MC-KL-S	60	42	38	18	16	3.2	50	10.5	3.2×6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

Refer to 1 : P.431

MAGNETIC CATCH MC-E







No.	Part Name	Material	Finish / Colour
①	Body	PE	White
②	Yoke	Steel (SPCC)	Coloured Zinc Chromate (Trivalent)
③	Magnet	Ferrite	–
④	Counter Plate	Steel (SPCC)	Coloured Zinc Chromate (Trivalent)

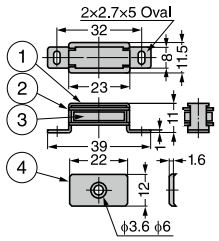
[Remarks]
●Be sure to read the "Cautions" 1.
[Parts Included]
●Counter plate
●Pan head wood screw 3.1×13
●Countersunk head wood screw 2.9×13

RoHS	CAD	Item Code	Item Name	L	L1	L2	D	D1	H	H1	P1	P2	A	B	P3	d2	d3	Magnetic Force N	Magnetic Force kgf	Weight (g)	Screw (pcs)	Box (pcs)	Carton (pcs)
G	3D	140-050-058	MC-EM-S	49.5	33	28	16	15	14	4	41.5	9	30	11	20	4.8	6.5	19.6	2	26	4	24	720
G	3D	140-050-059	MC-EL-S	60	41	35	18	16	16	3.5	50	9.5	38	14	25	4.3	6.4	23.5	2.4	38		24	360
G	3D	140-050-060	MC-EL-W										20	13	10	4.4					6	24	360

Refer to 1 : P.431

MAGNETIC CATCH MC-SM10





[Remarks]
●Be sure to read the "Cautions" 1.
[Parts Included]
●Counter plate
●Round head wood screw 2.7×13 (2 pcs)
●Countersunk head wood screw 2.4×13 (1 pc)

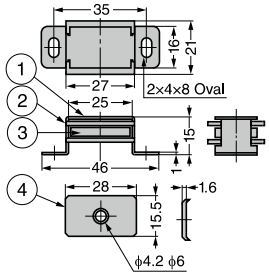
No.	Part Name	Material	Finish
①	Body	Aluminium Alloy	Anodised
②	Yoke	Steel (SPCC)	Clear Zinc Chromate (Trivalent)
③	Magnet	Ferrite	–
④	Counter Plate	Steel (SPCC)	Clear Zinc Chromate (Trivalent)

RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-202	MC-SM10	20	2	12	100	1600

Refer to 1 : P.431

MAGNETIC CATCH MC-S88





[Remarks]
●Be sure to read the "Cautions" 1
[Parts Included]
●Counter plate
●Round head wood screw 3.1×13 (2 pcs)
●Countersunk head wood screw 2.9×13 (1 pc)

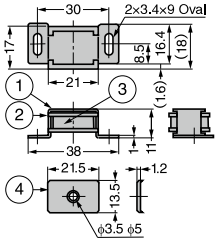
No.	Part Name	Material	Finish
①	Body	Aluminium Alloy	Plain
②	Yoke	Steel (SPCC)	Clear Zinc Chromate
③	Magnet	Ferrite	–
④	Counter Plate	Steel (SPCC)	Clear Zinc Chromate

RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
–	3D	140-050-032	MC-S88	14.7	1.5	28.5	24	720

Refer to 1 : P.431

MAGNETIC CATCH MC-S78





[Remarks]
- Be sure to read the "Cautions" 1

[Parts Included]
- Counter plate
- Pan head wood screw 3.1×13 (2 pcs)
- Countersunk head wood screw 2.4×13 (1 pc)

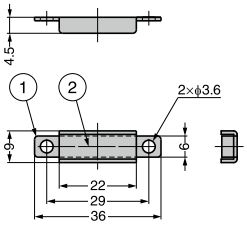
No.	Part Name	Material	Finish / Colour
①	Body	Aluminium Alloy	Brown Enamel Finish
②	Yoke	Steel (SPCC)	Clear Zinc Chromate
③	Magnet	Ferrite	–
④	Counter Plate	Steel (SPCC)	Clear Zinc Chromate

RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
–	3D	140-050-030	MC-S78	7.8	0.8	17	36	720

Refer to 1 : P.431

MAGNETIC CATCH MC-YN003





- Thin magnetic catch of 4.5mm thick ideal for tight spaces.

[Remarks]
- Be sure to read the "Cautions" 1.
- Please install so that the counter plate contacts the yoke on both sides. Direct contact with magnet may cause magnet breaking.

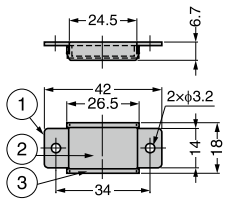
No.	Part Name	Material	Finish
①	Yoke	Steel (SPCC)	Nickel
②	Magnet	Ferrite	–

RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-059-540	MC-YN003	16.6	1.7	5	500	2500

Refer to 1 : P.431

MAGNETIC CATCH MC0750





[Remarks]
- Be sure to read the "Cautions" 1.

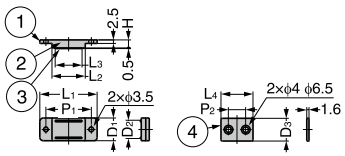
No.	Part Name	Material	Finish
①	Yoke	Steel (SPCC)	Nickel
②	Magnet	Ferrite	–
③	Cover	Stainless Steel (SUS304)	Polished

RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-057-000	MC0750	24.5	2.5	19	150	750

Refer to 1 : P.431

MAGNETIC CATCH MC-111, MC-112, MC-113





- Surface mount type thin magnetic catch ideal for tight spaces.

[Remarks]
- Be sure to read the "Cautions" 1.

[Parts Included]
- Counter plate

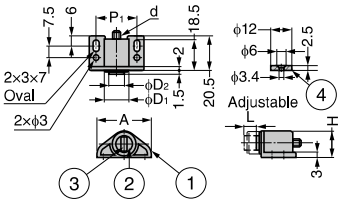
No.	Part Name	Material	Finish / Colour
①	Body	ABS	Black, Ivory
②	Magnet	Ferrite	–
③	Yoke	Steel	Clear Zinc Chromate
④	Counter Plate	(SPCC)	Nickel

RoHS	CAD	Item Code	Item Name	Colour	L_1	L_2	L_3	L_4	D_1	D_2	D_3	P_1	P_2	H	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	–	140-059-463	MC-111B	Black	64	46	42	45	24.5	21	24	55	30	7	49	5	48	50	500
G	3D	140-059-464	MC-111IV	Ivory														50	500
–	3D	140-059-465	MC-112B	Black	53	35	31	34	23.5	20	23	44	20	6.2	29.4	3	32	50	500
G	3D	140-059-466	MC-112IV	Ivory														50	500
G	3D	140-059-467	MC-113B	Black	43	25	20	24	17	13.5	17	34	13	6	9.8	1	14	100	1000
G	3D	140-059-468	MC-113IV	Ivory														100	1000

Refer to 1 : P.431

MAGNETIC CATCH MS





- Yoke position adjustable back and forward.

[Remarks]
- Be sure to read the "Cautions" 1.
- Screws not included.
- Magnet yoke without surface finish may rust.

[Parts Included]
- Counter plate W4 2

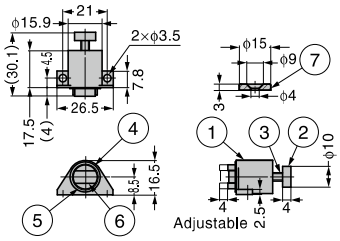
No.	Part Name	Material	Finish / Colour
①	Body	Plastic	White, Brown
②	Yoke	Steel	Plain
③	Magnet	Ferrite	–
④	Counter Plate W4	Steel (SPHC)	Coloured Zinc Chromate (Trivalent)

RoHS	CAD	Item Code	Item Name	Colour	A	P1	D1	D2	d	H	L	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
–	3D	140-050-506	MS4WP	White	33	25.5	14	9	M4	16.5	5	23.5	2.4	11.7	–	1000
–	3D	140-050-507	MS4BRP	Brown											–	1000
–	3D	140-050-508	MS6WP	White	36.5	28	17	11	M5	19	3	39.2	4	17.7	–	1000
–	3D	140-050-509	MS6BRP	Brown											–	1000

Refer to 1 : P.431, 2 : P.464

MAGNETIC CATCH MC-125





- Yoke position adjustable 4mm back and forward.
- Yoke position adjustable back and forward by turning the knob on the back side of the body.

[Remarks]
- Be sure to read the "Cautions" 1.
- Screws not included.

[Parts Included]
- Counter plate W12 2

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 (SS)	Clear Zinc Chromate
⑥	Magnet	Ferrite	–
⑦	Counter Plate W12	Steel (SUM)	Nickel

RoHS	CAD	Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-021-954	MC-125WTP	White	24.5	2.5	14.5	20	1000
G	3D	140-021-955	MC-125BLP	Black				20	1000

Refer to 1 : P.431, 2 : P.464

MAGNETIC CATCH MC-YN015S, MC-YN015SP

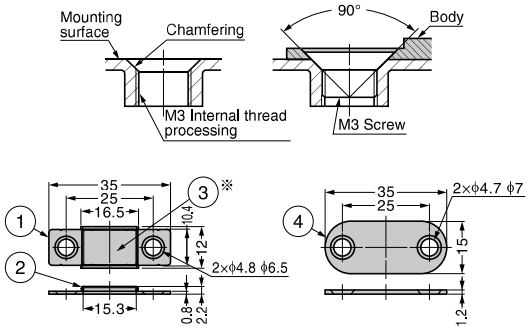
SUS



MC-YN015S (Magnetic catch)　MC-YN015SP (Magnetic catch, counter plate and screws)

- Ultra thin magnetic catch of 2.2mm thick ideal for tight space.
- Stainless steel type of the same size as conventional MC-YN001 1.
- Anti rust: made of stainless steel and acrylic resin coated magnet.
- Small body with strong magnetic force by using neodymium magnet.
- Magnetic catch only or set including magnetic catch, counter plate and screws available.
- Installation with rivet is also possible.

[Cut Out Dimensions and Installation Example] For M3 screw



※Magnet is stored under the cover.

[Remarks]

- Be sure to read the "Cautions" 2.
- Rust may occur when using in direct water exposure or high temperature and high humidity environment.
- Max. temperature: 80℃
- 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-YN015SP only
- Counter plate
- Countersunk head tapping screw 3×14 (SUS)

[Recommended Screws]

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

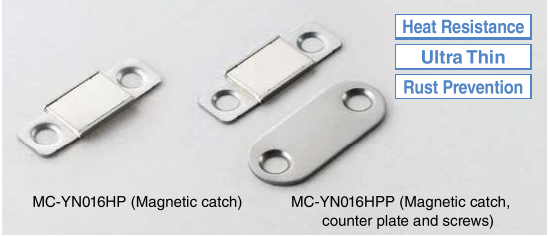
No.	Part Name	Material	Finish
①	Yoke	Stainless Steel (Equivalent)	Barrel Polished
②	Cover	Stainless Steel (SUS304)	Plain
③	Magnet	Neodymium	Plastic Coating
④	Counter Plate	Stainless Steel (Equivalent)	Barrel Polished

RoHS	CAD	Item Code	Item Name	Type	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-020-672	MC-YN015S	Magnetic Catch Only	22.5	2.3	3.6	100	2000
G	3D	140-020-673	MC-YN015SP	Magnetic catch・Counter Plate & Screws			7.3	100	2000

Refer to 1 : P.442, 2 : P.431

MAGNETIC CATCH MC-YN016HP

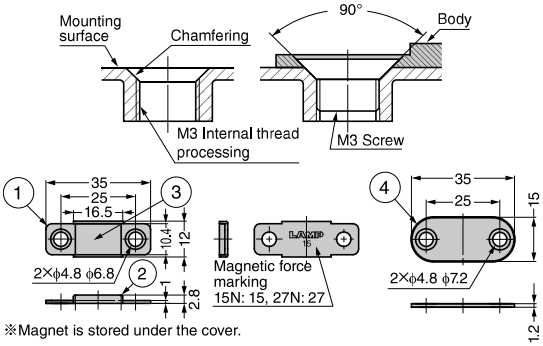
SUS



MC-YN016HP (Magnetic catch)　MC-YN016HPP (Magnetic catch, counter plate and screws)

- 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 1 of the same shape also available.

[Cut Out Dimensions and Installation Example] For M3 screw



※Magnet is stored under the cover.

[Remarks]

- Be sure to read the "Cautions" 2.
- 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]

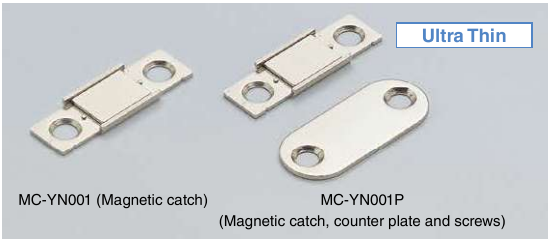
- Countersunk head screw M3 or Countersunk head wood screw nominal 3.1

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

RoHS	CAD	Item Code	Item Name	Type	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-033-220	MC-YN016HP-15	Magnetic Catch Only	15	1.5	4	100	2000
G	3D	140-033-221	MC-YN016HPP-15	Magnetic Catch・Counter Plate & Screws			10.4	100	2000
G	3D	140-033-222	MC-YN016HP-27	Magnetic Catch Only	27	2.8	5	100	2000
G	3D	140-033-223	MC-YN016HPP-27	Magnetic Catch・Counter Plate & Screws			11.4	100	2000

Refer to 1 : P.441, 2 : P.431

MAGNETIC CATCH MC-YN001, MC-YN001P



MC-YN001 (Magnetic catch)　　MC-YN001P (Magnetic catch, counter plate and screws)

- Ultra thin magnetic catch of 2.2mm thick ideal for tight spaces.
- Small body with strong magnetic force by using neodymium magnet.
- Magnetic catch only or set including magnetic catch, counter plate and screws available.
- Installation with rivet is also possible.

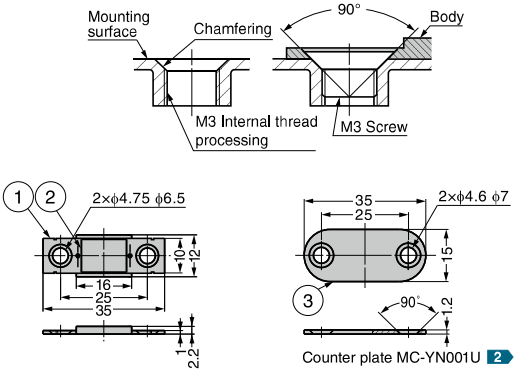
[Remarks]
- Be sure to read the "Cautions" 1.
- Max. temperature: 80°C
- The counter plate should be in contact with the yokes on both sides and should not be in contact directly with the magnet. Direct contact may break the magnet.
- Be sure to chamfer the mounting surface for screws and rivets. In this way, screw head will not project when the body is fixed (refer to "Cut Out Dimensions and Installation Example").

[Parts Included]

For MC-YN001P only
- Counter plate MC-YN001U 2
- Countersunk head tapping screw 3×14

[Recommended Screws]
- Countersunk head screw M3 or Countersunk head wood screw nominal 3.1

[Cut Out Dimensions and Installation Example] For M3 screw

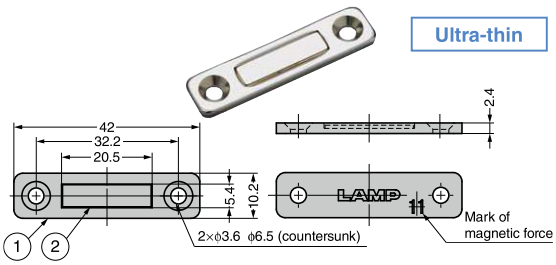


No.	Part Name	Material	Finish
①	Yoke	Steel (SPCC)	Nickel
②	Magnet	Neodymium	
③	Counter Plate	Steel (SPCC)	

RoHS	CAD	Item Code	Item Name	Type	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (sets)	Carton (sets)
G	3D	140-050-257	MC-YN001	Magnetic Catch Only	26.5	2.7	4.0	100	1000
G	3D	140-050-000	MC-YN001P	Magnetic Catch・Counter Plate & Screws			7.5	100	1000

Refer to 1 : P.431, 2 : P.465

ULTRA-THIN MAGNETIC CATCH MC-421



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

[Remarks]
- Be sure to read the "Cautions" 1.
- 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

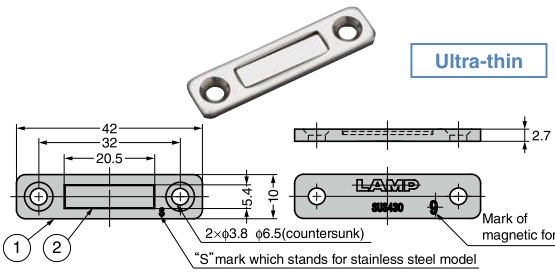
RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-045-390	MC-421-11	11	1.1	6.4	250	1500
G	3D	140-045-391	MC-421-30	30	3.1	6.6	250	1500

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

Refer to 1 : P.431

ULTRA-THIN MAGNETIC CATCH MC-421SUS Stainless Steel

SUS



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

[Remarks]
- Be sure to read the "Cautions" 1.
- 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

RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-045-392	MC-421SUS-9	9	0.9	6.9	250	1500
G	3D	140-045-393	MC-421SUS-24	24	2.4	7.1	250	1500

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

Refer to 1 : P.431

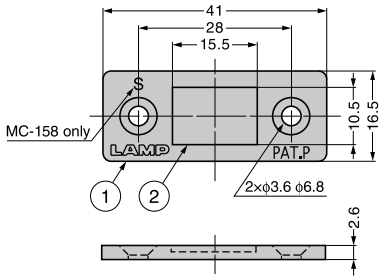
MAGNETIC CATCH MC-158, MC-159



- Ultra thin magnetic catch of 2.6mm thick ideal for tight spaces.
- Small body with strong magnetic force by using neodymium magnet.
- Similar items (extra strong magnetic force): MC-159-8 1, MC-159-SUS 2.
- AS parts set (below) for installing to aluminium frame also available.

[Remarks]
- Be sure to read the "Cautions" 3.
- Max. temperature: 80°C
- The counter plate should be in contact with the body. Direct contact with the magnet may break the magnet.
- Only MC-158 is marked with "S" to differentiate it from MC-159 (see the drawing below)

[Recommended Screws]
- Countersunk head screw M3 or Countersunk head wood screw 3.1



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

No.	Part Name	Material	Finish (MC-158, MC-159)	Finish (MC-159-BL)
①	Body	Steel (SPCC)	Nickel	Copper Plating (Black)
②	Magnet	Neodymium		Black Chromate (Trivalent)

[Counter Plate] Sold Separately

RoHS	CAD	Item Code	Item Name
G	3D	140-059-555	MC-YN001U
G	3D	140-038-025	MC-YN001U-BL

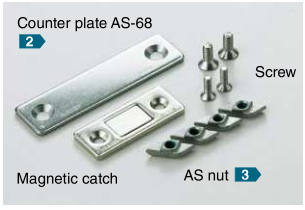
[Magnetic Catch]

RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-014	MC-158	14.7	1.5	12	200	1000
G	3D	140-058-061	MC-159	39	4		200	1000
G	3D	140-038-023	MC-159-BL				200	1000

Refer to 1 2 : P.444, 3 : P.431

AS Parts Set for Installing to Aluminium Frame

Please refer to the series introduction page 1 for details about AS series.

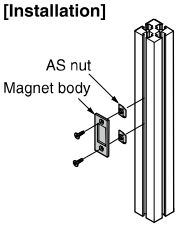


[AS Parts Set] Parts set of counter plate, screws and AS nuts used for installing to aluminium frame

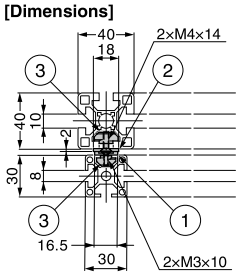
RoHS	CAD	Item Code	Item Name	Aluminium Frame	Parts	Weight (g)
G	–	140-041-498	AS-MC-159-30-6	30×30 Groove Width 6 mm	Magnetic Catch MC-159 : 1 pc Counter Plate AS-68 : 1 pc AS Nut AS-6M3 : 2 pcs AS Nut AS-6M4 : 2 pcs M3×10 Hexagon Socket Countersunk Head Screw : 2 pcs M4×10 Hexagon Socket Countersunk Head Screw : 2 pcs	36
G	–	140-041-499	AS-MC-159-30-8	30×30 Groove Width 8 mm	Magnetic Catch MC-159 : 1 pc Counter Plate AS-68 : 1 pc AS Nut AS-8M3 : 2 pcs AS Nut AS-8M4 : 2 pcs M3×10 Hexagon Socket Countersunk Head Screw : 2 pcs M4×10 Hexagon Socket Countersunk Head Screw : 2 pcs	44
G	–	140-041-500	AS-MC-159-40-8	40×40 Groove Width 8 mm		48

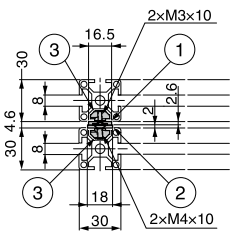
※Item names correspond to MC-159.

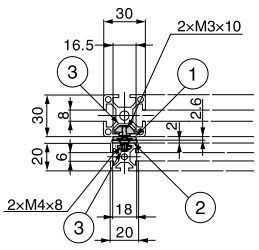
[Installation]



[Dimensions]







No.	Product Name
①	Magnetic Catch MC-159
②	Counter Plate AS-68
③	AS Nut

Refer to 1 : P.20, 2 : P.464, 3 : P.526

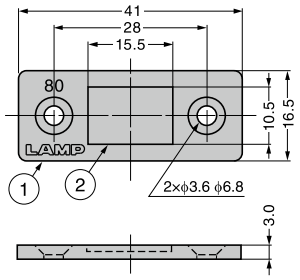
MAGNETIC CATCH MC-159-8 Strong Force Type



- Ultra thin magnetic catch of 3mm thick ideal for tight spaces.
- Small body with extra strong magnetic force by using neodymium magnet.
- Similar items (different magnetic force): MC-158, MC-159 1, MC-159-SUS 2.

[Remarks]
- Be sure to read the "Cautions" 3.
- Max. temperature: 80˚C
- The counter plate should be in contact with the body. Direct contact with the magnet may break the magnet.

[Recommended Screws]
- Countersunk head screw M3 or Countersunk head wood screw 3.1



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

RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-026-510	MC-159-8	78.4	8	14	200	1000

Refer to 1 : P.443, 2 : P.444, 3 : P.431

MAGNETIC CATCH MC-159-SUS

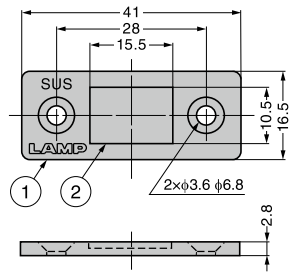
SUS



- Anti rust: made of stainless steel and acrylic resin coated magnet.
- Ultra thin magnetic catch of 2.8mm thick ideal for tight spaces.
- Small body with strong magnetic force by using neodymium magnet.
- Similar items (different magnetic force): MC-158, MC-159 1, MC-159-8 2.

[Remarks]
- Be sure to read the "Cautions" 3.
- Max. temperature: 80˚C
- The counter plate should be in contact with the body. Direct contact with the magnet may break the magnet.

[Recommended Screws]
- Countersunk head screw M3 or Countersunk head wood screw 3.1



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

RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-026-511	MC-159-SUS	49	5	13	200	1000

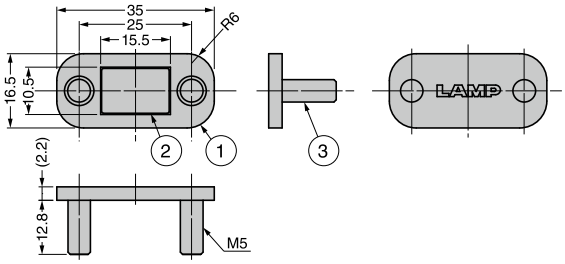
Refer to 1 : P.443, 2 : P.444, 3 : P.431

STAINLESS STEEL MAGNETIC CATCH MC-159-STD Ultra-thin / Back-mount

SUS



Front Back



- The bolts are designed to be fixed with nuts from the back side. As there are no screw heads, it is easy to keep the flat surface clean.
- Neodymium magnet is used for strong force.
- 2.2 mm ultra-thin design.
- Counter plate of back-mount type is also available.

[Remarks]

- Be sure to read the "Cautions" 1.
- Max. temperature: 80℃
- The counter plate to be used with should be in contact with the catch body. If an object makes direct surface contact with the magnet, it may break and no longer work properly.

[Parts Included]

- Hexagon nut M5 stainless steeel (SUS304)

RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)
G	3D	140-045-567	MC-159-2-STD	19.6	2	14
G	3D	140-045-568	MC-159-4-STD	39.2	4	

Refer to 1 : P.431

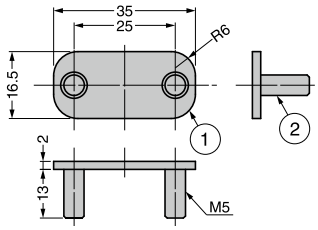
No.	Part Name	Material	Finish/Colour
①	Body	Stainless Steel (SUS430)	Barrel Polished
②	Magnet	Neodymium	Nickel
③	Stud Bolt	Stainless Steel (SUS303)	–

STAINLESS STEEL COUNTER PLATE MC-159U-STD Back-mount

SUS



Front Back



- The bolts are designed to be fixed with nuts from the back side. As there are no screw heads, it is easy to keep the flat surface clean.

[Parts Included]

- Hexagon nut M5 stainless steel (SUS304)

RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-045-569	MC-159U-STD	13.2	50	1,000

No.	Part Name	Material	Finish/Colour
①	Body	Stainless Steel (SUS430)	Barrel Polished
②	Stud Bolt	Stainless Steel (SUS303)	–

SEALED MAGNETIC CATCH MC-MS45

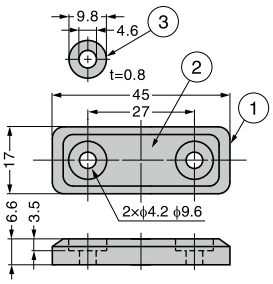


- The body covered with silicon rubber reduces the noise when the door closed.
- Small body with strong magnetic force by using neodymium magnet.
- Washer fitted in the body fixing hole prevents silicone rubber from tearing when screwed.
- Similar item (larger size and stronger magnetic force): MC-MS50 1.

[Remarks]
- Be sure to read the "Cautions" 2.
- 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 3
- Counter plate AS-68 4, MC-JM49 5

[Recommended Screws]
- Truss head screw M4



[Body]

RoHS	CAD	Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-033-799	MC-MS45LGR	Light Grey	19.6	2	12	100	1000
G	3D	140-033-800	MC-MS45DGR	Dark Grey				100	1000

[Counter Plate] Sold Seperately

RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-122	MC-JMP45WT	7	100	1000
G	3D	140-029-241	MC-JMP45BL	7	100	1000
G	3D	140-050-138	AS-68	17	100	1000
G	3D	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

Refer to 1 : P.446, 2 : P.431, 3 : P.463, 4 5 : P.464

SEALED MAGNETIC CATCH MC-MS50

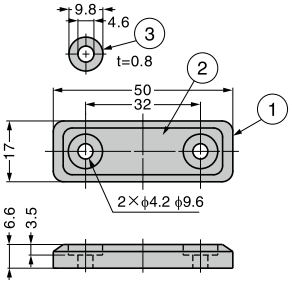


- The body covered with silicon rubber reduces the noise when the door closed.
- Small body with strong magnetic force by using neodymium magnet.
- Washer fitted in the body fixing hole prevents silicone rubber from tearing when screwed.
- Similar item (smaller size and weaker magnetic force): MC-MS45 1

[Remarks]
- Be sure to read the "Cautions" 2.
- 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.
- Recommended tightening torque is 39N・cm (4kgf・cm).

[Sold Separately]
- Counter plate MC-JMP45 3
- Counter plate AS-68 4, MC-JM49 5

[Recommended Screws]
- Truss screw M4



[Body]

RoHS	CAD	Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-024-468	MC-MS50LGR	Light Grey	39.2	4	15	100	1000
G	3D	140-024-469	MC-MS50DGR	Dark Grey				100	1000

[Counter Plate] Sold Seperately

RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-122	MC-JMP45WT	7	100	1000
G	3D	140-029-241	MC-JMP45BL	8	100	1000
G	3D	140-050-138	AS-68	17	100	1000
G	3D	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

Refer to 1 : P.446, 2 : P.431, 3 : P.463, 4 5 : P.464

SEALED MAGNETIC CATCH MC-MSH Food Sanitation Act Compliant Material

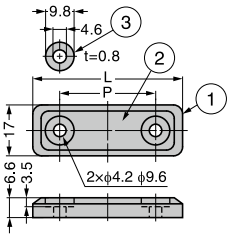


- Body material is compliant with the Food Sanitation Act (standard test for rubber implement (except baby bottles), containers and packaging).
- Blue body is easy to find even if it is mixed in food and other parts can also be detected with a metal detector.
- The body covered with silicon rubber reduces 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.

[Remarks]
- Be sure to read the "Cautions" 1.
- Do not use in strong acid and strong alkaline environment.
- Do not use in contact with steam, hot water and water.
- Max. temperature: 80℃
- Do not scrape strongly, as damaged magnetic surface may tear.Please use flat counter plate without irregularities.

[Sold Separately]
- Counter plate AS-68 2, MC-JM49 3

[Recommended Screws]
- Truss screw M4



[Body]

RoHS	CAD	Item Code	Item Name	L	P	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-033-801	MC-MSH45BU	45	27	19.6	2	12	100	1000
G	3D	140-033-802	MC-MSH50BU	50	32	39.2	4	15	100	1000

[Counter Plate] Sold Seperately

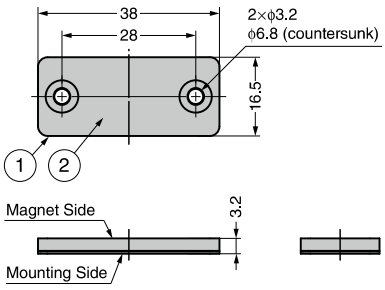
RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-138	AS-68	17	100	1000
G	3D	140-050-149	MC-JM49	10	100	1000

Refer to 1 : P.431, 2 3 : P.464

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

SEALED MAGNETIC CATCH MC-JM38 Ultra-thin





- 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. 1

[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

RoHS	CAD	Item Code	Item Name
G	3D	140-050-122	MC-JMP45WT
G	3D	140-029-241	MC-JMP45BL

[Magnetic Catch]

RoHS	CAD	Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-608	MC-JM38WT	White	14.7	1.5	5	200	1,000
G	3D	140-050-609	MC-JM38BL	Black				200	1,000

Refer to 1 : P.463

SEALED MAGNETIC CATCH MC-JM45



- The body covered with resin prevents rusting.
- Small body with strong magnetic force by using neodymium magnet.
- Thin magnetic catch of 5.6mm thick ideal for tight spaces.
- Ideal for kitchen or bath equipment by using with the counter plate MC-JMP45 (sold separately).
- AS parts set 1 for installing to aluminium frame also available.

[Applications]
- Washing machine, kitchen equipment, etc.

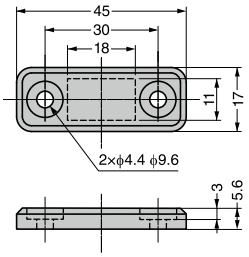
[Remarks]
- Be sure to read the "Cautions" 2.
- Max. temperature: 80˚C
- The material, shape of this product are identical to sealed magnetic catch MC-JMP45. The back of MC-JMP45 is partially blue to differentiate from this product.

[Sold Separately]
- Counter plate MC-JMP45 3, Counter plate AS-68, MC-JM49 4

[Recommended Screws]
- M4 screw, tapping screw nominal 4 (truss or binding head, SUS)

[Body]

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



[Counter Plate] Sold Seperately

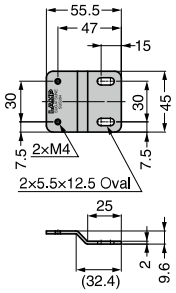
RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-122	MC-JMP45WT	7	100	1000
G	3D	140-029-241	MC-JMP45BL	8	100	1000
G	3D	140-050-138	AS-68	17	100	1000
G	3D	140-050-149	MC-JM49	10	100	1000

Part Name	Material	Colour
Body	PP	White, Black
Magnet	Neodymium	–

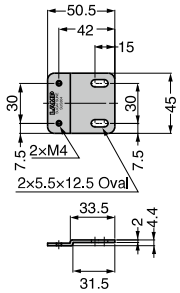
Refer to 1 : P.449, 2 : P.431, 3 : P.463, 4 : P.464

BRACKET AS-JM-45

SUS



AS-JM-45F (Flat type)

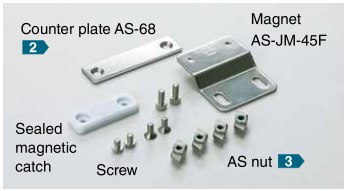


AS-JM-45D (Stepped type)

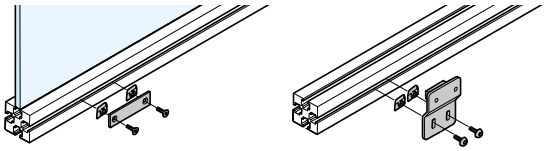
RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-136	AS-JM-45F	Stainless Steel (SUS304)	Barrel Polished	39	50	500
G	3D	140-050-137	AS-JM-45D			32	50	500

AS Parts Set for Installing to Aluminium Frame

Please refer to the series introduction page 1 for details about AS series.



[Installation]

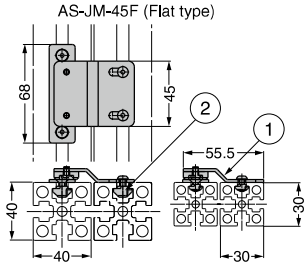


[AS Parts Set] Parts set of brackets, counter plate, screws and AS nuts used for installing to aluminium frame

RoHS	CAD	Item Code	Item Name	Aluminium Frame	Parts	Weight (set)
G	3D	140-041-509	AS-MC-JM45WTF-30-6	30×30 Groove Width 6 mm	Magnetic Catch MC-JM45WT : 1 pc Bracket AS-JM-45F : 1 pc Counter Plate AS-68 : 1 pc AS Nut AS-6M4 : 4 pcs M4×6 Hexagon Socket Button Head Screw : 2 pcs M4×8 Hexagon Socket Button Head Screw : 2 pcs M4×8 Hexagon Socket Countersunk Head Screw : 2 pcs	73
G	3D	140-041-510	AS-MC-JM45WTF-40-8	40×40 Groove Width 8 mm	Magnetic Catch MC-JM45WT : 1 pc Bracket AS-JM-45F : 1 pc Counter Plate AS-68 : 1 pc AS Nut AS-8M4 : 4 pcs M4×6 Hexagon Socket Button Head Screw : 2 pcs M4×12 Hexagon Socket Button Head Screw : 2 pcs M4×12 Hexagon Socket Countersunk Head Screw : 2 pcs	86
G	3D	140-041-511	AS-MC-JM45WTF-30-8	30×30 Groove Width 8 mm	Magnetic Catch MC-JM45WT : 1 pc Bracket AS-JM-45F : 1 pc Counter Plate AS-68 : 1 pc AS Nut AS-8M4 : 4 pcs M4×6 Hexagon Socket Button Head Screw : 2 pcs M4×8 Hexagon Socket Button Head Screw : 2 pcs M4×8 Hexagon Socket Countersunk Head Screw : 2 pcs	85
G	3D	140-041-512	AS-MC-JM45WTF-40-10	40×40 Groove Width 10 mm	Magnetic Catch MC-JM45WT : 1 pc Bracket AS-JM-45F : 1 pc Counter Plate AS-68 : 1 pc AS Nut AS-10M4 : 2 pcs AS Nut AS-10M5 : 2 pcs M4×6 Hexagon Socket Button Head Screw : 2 pcs M5×12 Hexagon Socket Button Head Screw : 2 pcs M4×12 Hexagon Socket Countersunk Head Screw : 2 pcs	97
G	3D	140-041-513	AS-MC-JM45WTD-40-8-30-6	Door: 30×30 Groove Width 6 mm Frame: 40×40 Groove Width 8 mm	Magnetic Catch MC-JM45WT : 1 pc Bracket AS-JM-45D : 1 pc Counter Plate AS-68 : 1 pc AS Nut AS-6M4 : 2 pcs AS Nut AS-8M4 : 2 pcs M4×6 Hexagon Socket Button Head Screw : 2 pcs M4×12 Hexagon Socket Button Head Screw : 2 pcs M4×8 Hexagon Socket Countersunk Head Screw : 2 pcs	75
G	3D	140-041-514	AS-MC-JM45WTD-40-10-30-8	Door: 30×30 Groove Width 8 mm Frame: 40×40 Groove Width 10 mm	Magnetic Catch MC-JM45WT : 1 pc Bracket AS-JM-45D : 1 pc Counter Plate AS-68 : 1 pc AS Nut AS-8M4 : 2 pcs AS Nut AS-10M5 : 2 pcs M4×6 Hexagon Socket Button Head Screw : 2 pcs M5×12 Hexagon Socket Button Head Screw : 2 pcs M4×10 Hexagon Socket Countersunk Head Screw : 2 pcs	87

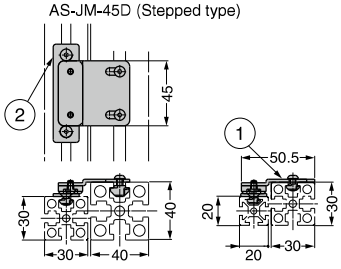
[Dimensions]

AS-JM-45F (Flat type)



No.	Product Name
①	Bracket AS-JM-45F
②	AS Nut

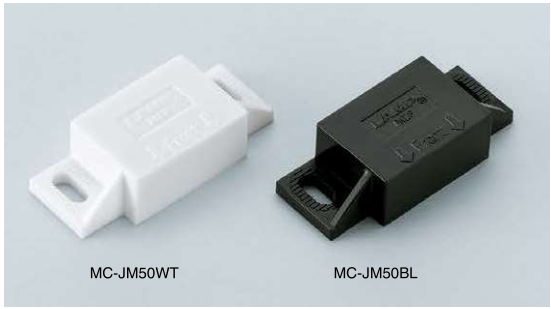
AS-JM-45D (Stepped type)



No.	Product Name
①	Bracket AS-JM-45D
②	Counter Plate AS-68

Refer to 1 : P.20, 2 : P.464, 3 : P.526

SEALED MAGNETIC CATCH MC-JM50 For Clean Room



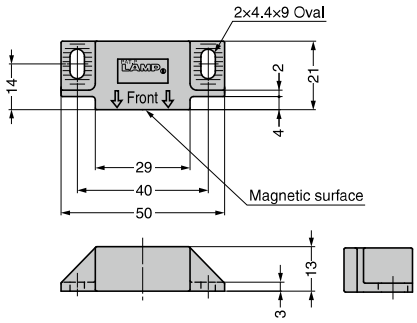
- Resin coated body prevents rusting.
- Ideal for clean rooms by using with the counter plate MC-JM49 (sold separately).
- AS parts set (below) for installing to aluminium frame also available.

[Applications]
- Washing machine, kitchen equipment, etc.

[Remarks]
- Be sure to read the "Cautions" 1.
- Do not use in contact with steam, hot water and water. Do not leave strongly acidic or basic detergents to avoid deteriorating.
- Max. temperature: 80°C

[Sold Separately]
- Counter plate MC-JM49 2

[Recommended Screws]
- M4 screw, tapping screw nominal 4 (truss or binding head, SUS)



Part Name	Material	Colour
Body	POM	White, Black
Magnet	Neodymium	–

[Body]

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

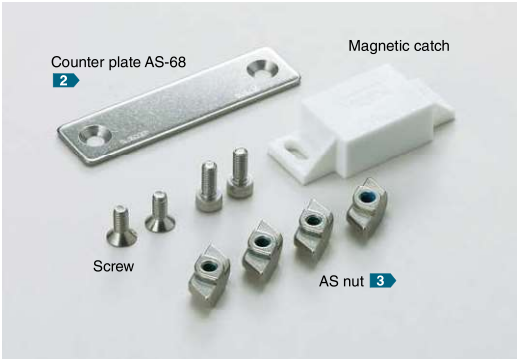
[Counter Plate] Sold Seperately

RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-149	MC-JM49	10	100	1000

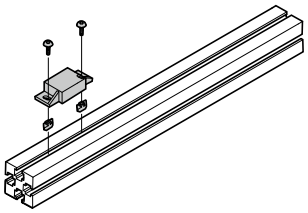
Refer to 1 : P.431, 2 : P.464

AS Parts Set for Installing to Aluminium Frame

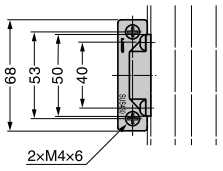
Please refer to the series introduction page 1 for details about AS series.

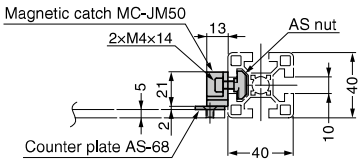


[Installation]



[Dimensions]





[AS Parts Set] Parts set of screws, AS nuts and counter plate used for installing to aluminium frame

RoHS	CAD	Item Code	Item Name	Aluminium Frame	Parts	Weight (set)
G	–	140-041-507	AS-MC-JM50WT-40-10	40×40 Groove Width 10 mm	Magnetic Catch MC-JM50 : 1 pc AS Nut AS-10M4 : 2 pcs	54
G	–	140-041-508	AS-MC-JM50BL-40-10		M4×14 Hexagon Socket Head Cap Screw : 2 pcs Counter Plate AS-68 : 1 pc	54

Refer to 1 : P.20, 2 : P.464, 3 : P.526

SEALED MAGNETIC CATCH MC-JMS45WT With Swing Function




Cover removed

- Resin coated body prevents rusting.
- Magnetic surface can pivot for better contact with counter plate.
- Suitable for kitchen equipment using with MC-JMP45 (sold separately).

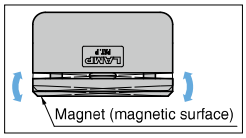
[Applications]
- Washing machine, kitchen equipment, etc.

[Remarks]
- Be sure to read the "Cautions" 1.
- Max. temperature: 80˚C

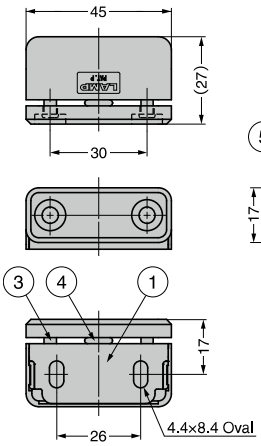
[Sold Separately]
- Counter plate MC-JMP45 2
- Counter plate AS-68 3, MC-JM49 4

[Recommended Screws]
- M4 screw, tapping screw nominal 4 (truss or binding head, SUS)

[Movement of Magnet]



Magnet face can pivot.



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

[Body]

RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G'	3D	140-024-597	MC-JMS45WT	29.4	3	26	24	240

Refer to 1 : P.431, 2 : P.463, 3 4 : P.464, 5 : P.448

[Counter Plate] Sold Seperately

RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
G'	3D	140-050-122	MC-JMP45WT	7	100	1000
G'	3D	140-029-241	MC-JMP45BL	8	100	1000
G'	3D	140-050-138	AS-68	17	100	1000
G'	3D	140-050-149	MC-JM49	10	100	1000

MAGNETIC CATCH MC-JMF54 Snap-in Installation


MC-JMF54BL

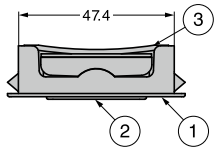

MC-JMF54WT

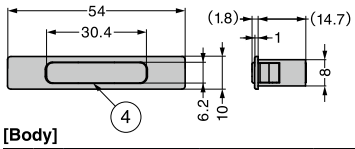
- The body covered with resin prevents rusting and avoids scattering of metal powder. Contact noise also can be reduced.
- Snap-in magnetic catch for sheet metal application.
- Magnetic surface can pivot for better contact with counter plate.

[Applications]
- Steel cabinet, washing machine, kitchen equipment, bathroom, etc.

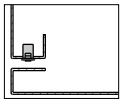
[Remarks]
- Be sure to read the "Cautions" 1.
- Max. temperature: 80˚C

[Sold Separately]
- Counter plate MC-JMP45 2
- Counter plate AS-68 3, MC-JM49 4

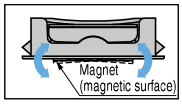




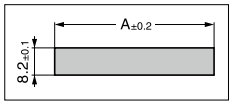
[Installation]



[Movement of Magnet]



[Cut Out Dimensions]



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

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

[Body]

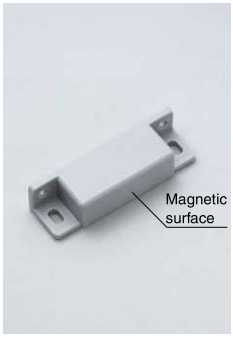
RoHS	CAD	Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G'	3D	140-026-601	MC-JMF54BL	Black	25	2.6	13	100	1000
G'	3D	140-026-602	MC-JMF54WT	White				100	1000

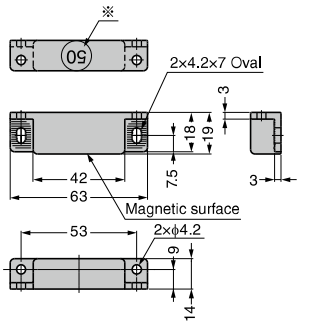
Refer to 1 : P.431, 2 : P.463, 3 4 : P.464

[Counter Plate] Sold Seperately

RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
G'	3D	140-050-122	MC-JMP45WT	7	100	1000
G'	3D	140-029-241	MC-JMP45BL	8	100	1000
G'	3D	140-050-138	AS-68	17	100	1000
G'	3D	140-050-149	MC-JM49	10	100	1000

SEALED MAGNETIC CATCH MC-JM63G





※The last 2 digits of number of the item name.

- Can be installed vertically or horizontally.
- The body coated with resin prevents rusting, dust and spark.
- Ideal for kitchen or bath equipment by using with the counter plate MC-JMP45 (sold separately).
- Ideal for clean rooms by using with the counter plate MC-JM49 (sold separately).
- AS parts set 1 for installing to aluminium frame also available.

[Applications]
- Clean room, washing machine, kitchen equipment, etc.

[Remarks]
- Be sure to read the "Cautions" 2
- Do not use in contact with steam, hot water and water.
  Do not leave strongly acidic or basic detergents to avoid deteriorating.
- Max. temperature: 80˚C

[Sold Separately]
- Counter plate MC-JMP45 3
- Counter plate AS-68, MC-JM49 4

[Recommended Screws]
- M4 or nominal 4 tapping screw (truss or binding head, SUS)

Part Name	Material	Finish / Colour
Body	POM	Grey
Yoke	Steel (SPCC)	Clear Zinc Chromate (Trivalent)
Magnet	Neodymium	–
Neoprene Sponge	Chloroprene Rubber	
Cover	POM	Grey

[Body]

RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-153	MC-JM63G-15	14.7	1.5	24	50	500
G	3D	140-050-152	MC-JM63G-30	29.4	3	29	50	500
G	3D	140-050-151	MC-JM63G-50	49	5	40	50	250

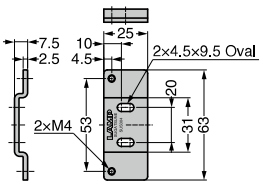
Refer to 1 : P.453, 2 : P.431, 3 : P.463, 4 : P.464

[Counter Plate] Sold Seperately

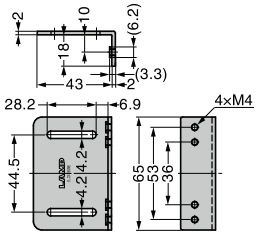
RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-122	MC-JMP45WT	7	100	1000
G	3D	140-029-241	MC-JMP45BL	8	100	1000
G	3D	140-050-138	AS-68	17	100	1000
G	3D	140-050-149	MC-JM49	10	100	1000

BRACKET AS-JM-63G, AS-JM63-SMC-FD

SUS



AS-JM-63G



AS-JM63-SMC-FD

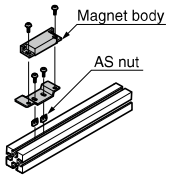
RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-135	AS-JM-63G	Stainless Steel (SUS304)	Barrel Polished	29	50	500
G	3D	140-010-544	AS-JM63-SMC-FD	Stainless Steel (SUS430)		41	50	400

AS Parts Set for Installing to Aluminium Frame

Please refer to the series introduction page 1 for details about AS series.



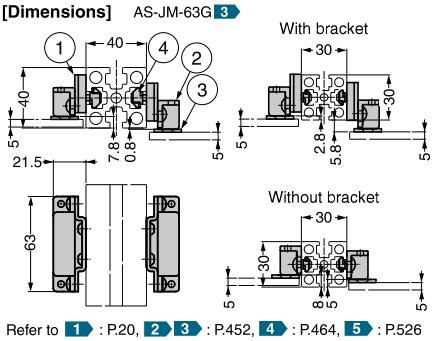
[Installation]



[AS Parts Set] Parts set of brackets, counter plate, screws and AS nuts used for installing to aluminium frame

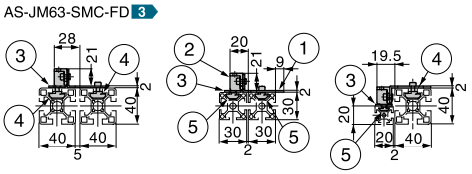
RoHS	CAD	Item Code	Item Name	Aluminium Frame	Parts	Weight (set)
G	–	140-041-515	AS-MC-JM63G-15-40-8	40×40 Groove Width 8 mm +5 Acrylic	Sealed Magnetic Catch MC-JM63G-15 : 1 pc Bracket AS-JM-63G : 1 pc Counter Plate AS-68 : 1 pc AS Nut AS-8M4 : 2 pcs M4×6 Hexagon Socket Button Head Screw : 2 pcs M4×12 Hexagon Socket Button Head Screw : 2 pcs M4×8 Hexagon Socket Countersunk Head Screw : 2 pcs	85
G	–	140-041-516	AS-MC-JM63G-15-40-10	40×40 Groove Width 10 mm +5 Acrylic	Sealed Magnetic Catch MC-JM63G-15 : 1 pc Bracket AS-JM-63G : 1 pc Counter Plate AS-68 : 1 pc AS Nut AS-10M4 : 2 pcs M4×6 Hexagon Socket Button Head Screw : 2 pcs M4×12 Hexagon Socket Button Head Screw : 2 pcs M4×8 Hexagon Socket Countersunk Head Screw : 2 pcs	91
G	–	140-041-517	AS-MC-JM63G-30-40-8	40×40 Groove Width 8 mm +5 Acrylic	Sealed Magnetic Catch MC-JM63G-30 : 1 pc Bracket AS-JM-63G : 1 pc Counter Plate AS-68 : 1 pc AS Nut AS-8M4 : 2 pcs M4×6 Hexagon Socket Button Head Screw : 2 pcs M4×12 Hexagon Socket Button Head Screw : 2 pcs M4×8 Hexagon Socket Countersunk Head Screw : 2 pcs	91
G	–	140-041-518	AS-MC-JM63G-30-40-10	40×40 Groove Width 10 mm +5 Acrylic	Sealed Magnetic Catch MC-JM63G-30 : 1 pc Bracket AS-JM-63G : 1 pc Counter Plate AS-68 : 1 pc AS Nut AS-10M4 : 2 pcs M4×6 Hexagon Socket Button Head Screw : 2 pcs M4×12 Hexagon Socket Button Head Screw : 2 pcs M4×8 Hexagon Socket Countersunk Head Screw : 2 pcs	96
G	–	140-041-519	AS-MC-JM63G-50-40-8	40×40 Groove Width 8 mm +5 Acrylic	Sealed Magnetic Catch MC-JM63G-50 : 1 pc Bracket AS-JM-63G : 1 pc Counter Plate AS-68 : 1 pc AS Nut AS-8M4 : 2 pcs M4×6 Hexagon Socket Button Head Screw : 2 pcs M4×12 Hexagon Socket Button Head Screw : 2 pcs M4×8 Hexagon Socket Countersunk Head Screw : 2 pcs	101
G	–	140-041-520	AS-MC-JM63G-50-40-10	40×40 Groove Width 10 mm +5 Acrylic	Sealed Magnetic Catch MC-JM63G-50 : 1 pc Bracket AS-JM-63G : 1 pc Counter Plate AS-68 : 1 pc AS Nut AS-10M4 : 2 pcs M4×6 Hexagon Socket Button Head Screw : 2 pcs M4×12 Hexagon Socket Button Head Screw : 2 pcs M4×8 Hexagon Socket Countersunk Head Screw : 2 pcs	107

[Dimensions] AS-JM-63G 3



No.	Product Name
①	Bracket AS-JM-63G
②	Sealed Magnetic Catch MC-JM63G
③	Counter Plate AS-68
④	AS Nut

AS-JM63-SMC-FD 3



No.	Product Name
①	Bracket AS-JM63-SMC-FD
②	Sealed Magnetic Catch MC-JM63G
③	Counter Plate AS-68
④	AS Nut AS-8M4 or AS-10M4
⑤	AS Nut AS-8M4 or AS-6M4

Refer to 1 : P.20, 2 3 : P.452, 4 : P.464, 5 : P.526

MAGNETIC CATCH (W/SWITCH) SMC



- Reed switch built-in magnetic catch.
- AS parts set 1 for installing to aluminium frame also available.

[Remarks]

- For the installation that the surface marked with ※ on the drawing below does not contact the magnetic body, install the back plate (included) or the equivalent magnetic body on the surface marked with ※.
- Avoid strong impact to protect the reed switch.
- Do not use or store in a strong magnetic field.
- Make sure that no magnetic body (powder) or adhesive matter adhere to the magnetic surface of the product.
- During use, ensure that the magnetic surface of the body will not project from the couter plate. Otherwise, it may not operate properly.
- When using a counter plate other than the supplied one, please contact local representatives.

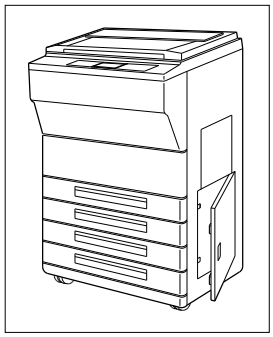
[Parts Included]

- Counter plate, back plate

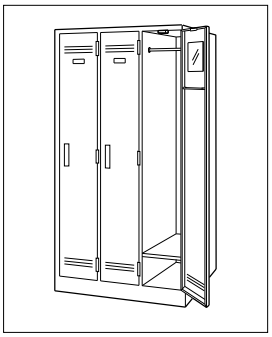
[Properties]

Max. Wattage	10W
Max. Switching Voltage	100V DC
Max. Switching Current	0.5A DC
Max. Contact Resistance	0.15Ω ※1
Operating Temperature	0 ～ 60˚C
Lead Wire	UL3385 AWG＃26/Black
Tensile Strength of Lead Wire	Min. 1kgf

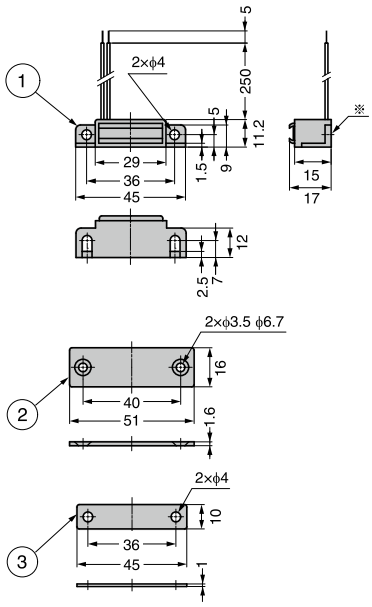
※1: Lead wire conductor resistance excluded.



Copying machine



Locker



No.	Part Name	Material	Finish / Colour
①	Body	PC	Black
②	Counter plate	Steel (SPCC)	Nickel
③	Back Plate		

※2 Switch type A: Switch is OFF when the counter plate and magnet are in contact.
Switch type B: Switch is ON when the counter plate and magnet are in contact.
※3 Measured with a weigh installed to the counter plate of 29×16×1.6mm (steel).

RoHS	CAD	Item Code	Item Name	Switch Type ※2	Magnetic Force N ※3	Magnetic Force kgf ※3	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-059-416	SMC-101B	B	Min. 9.8	Min. 1	28	50	200
G	3D	140-059-417	SMC-103A	A	Min. 29.4	Min. 3		50	200
G	3D	140-059-418	SMC-103B	B				50	200

Refer to 1 : P.455

AS Parts Set for Installing to Aluminium Frame

Please refer to the series introduction page 1 for details about AS series.

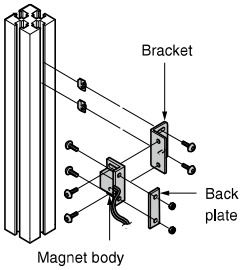


[AS Parts Set] Parts set of brackets, screws ,counter plate, back plate and AS nuts used for installing to aluminium frame

RoHS	CAD	Item Code	Item Name	Aluminium Frame	Parts	Weight (set)
G	–	140-013-894	AS-SMC-101B-FD-30-6	30×30 Groove Width 6 mm	Bracket AS-JM63-SMC-FD : 1 pc AS Nut AS-6M4 : 2 pcs M4×10 Hexagon Socket Head Cap Screw : 2 pcs Magnetic Catch SMC : 1 pc M4×6 Hexagon Socket Head Cap Screw : 2 pcs Magnetic Catch Counter Plate (Included) : 1 pc AS Nut AS-6M3 : 2 pcs M3×10 Hexagon Socket Countersunk Head Screw : 2 pcs	83
G	–	140-013-895	AS-SMC-103A-FD-30-6			82
G	–	140-013-896	AS-SMC-103B-FD-30-6			80
G	–	140-013-897	AS-SMC-101B-FD-30-8	30×30 Groove Width 8 mm	Bracket AS-JM63-SMC-FD : 1 pc AS Nut AS-8M4 : 2 pcs M4×10 Hexagon Socket Head Cap Screw : 2 pcs Magnetic Catch SMC型 : 1 pc M4×6 Hexagon Socket Head Cap Screw : 2 pcs Magnetic Catch Counter Plate (Included) : 1 pc AS Nut AS-8M3 : 2 pcs M3×10 Hexagon Socket Countersunk Head Screw : 2 pcs	95
G	–	140-013-898	AS-SMC-103A-FD-30-8			94
G	–	140-013-899	AS-SMC-103B-FD-30-8			94
G	–	140-013-900	AS-SMC-101B-FD-40-8	40×40 Groove Width 8 mm	Bracket AS-JM63-SMC-FD : 1 pc AS Nut AS-8M4 : 2 pcs M4×12 Hexagon Socket Head Cap Screw : 2 pcs Magnetic Catch SMC型 : 1 pc M4×6 Hexagon Socket Head Cap Screw : 2 pcs Magnetic Catch Counter Plate (Included) : 1 pc AS Nut AS-8M3 : 2 pcs M3×12 Hexagon Socket Countersunk Head Screw : 2 pcs	95
G	–	140-013-901	AS-SMC-103A-FD-40-8			94
G	–	140-013-902	AS-SMC-103B-FD-40-8			94

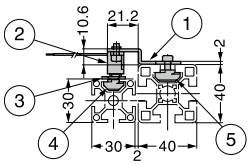
※For the item name of the magnetic catch in the set, please confirm with the above item name. (Included in the above item name)

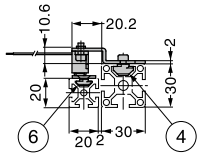
[Installation]



[Dimensions]

Bracket AS-SMC-D

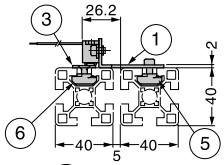


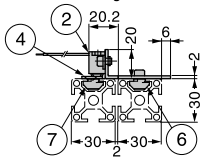


No.	Product Name
①	Bracket AS-SMC-D
②	Magnetic Catch (W/Switch) SMC
③	Counter Plate (Attached to ②)
④	AS Nut AS-8M3 or AS-6M3
⑤	AS Nut AS-8M4 or AS-10M4
⑥	AS Nut AS-6M3

※No item name combined with bracket AS-SMC-D.

BRACKET AS-JM63-SMC-FD (Flat type)



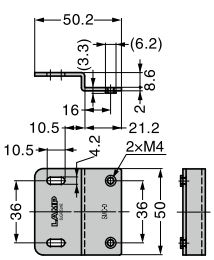


No.	Product Name
①	Bracket AS-JM63-SMC-FD
②	Magnetic Catch (W/Switch) SMC
③	Counter Plate AS-68
④	Counter Plate (Attached to ②)
⑤	AS Nut AS-8M4 or AS-10M4
⑥	AS Nut AS-8M4 or AS-6M4
⑦	AS Nut AS-8M3 or AS-6M3

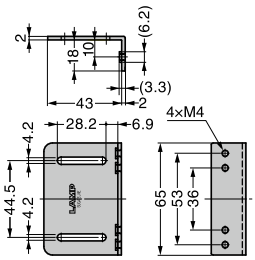
Refer to 1 : P.20, 2 : P.526

BRACKET AS-SMC-D, AS-JM63-SMC-FD

SUS



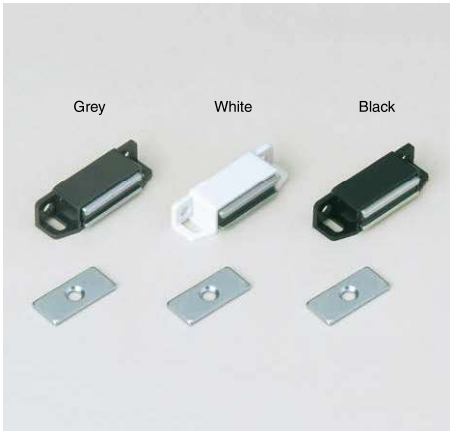
AS-SMC-D



AS-JM63-SMC-FD

RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-010-545	AS-SMC-D	Stainless Steel (SUS430)	Barrel Polished	41	50	200
G	3D	140-010-544	AS-JM63-SMC-FD				50	400

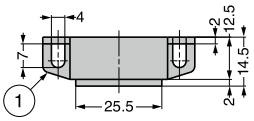
MAGNETIC CATCH MC0099

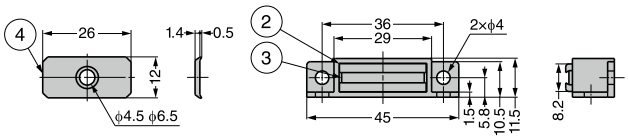


- Can be installed vertically or horizontally.

[Remarks]
- Be sure to read the "Cautions" 1.
- Only grey body with magnetic force 51N (5.2kgf).

[Parts Included]
- Counter plate SP0207 2.





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

RoHS	CAD	Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-501	MC0099BP	Black	10.8	1.1	16.3	100	1000
G	3D	140-050-502	MC0099WP	White				100	1000
G	3D	140-050-503	MC0099SBP	Black	37.2	3.8		100	1000
G	3D	140-050-504	MC0099SWP	White				100	1000
G	3D	140-050-505	MC0099GP	Grey	51	5.2		100	1000

Refer to 1 : P.431, 2 : P.464

SEALED MAGNETIC CATCH (W/SWITCH) MC-JM74SW-30

IP

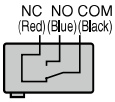


- Waterproof switch built-in magnetic catch. It functions as a catch and power switch depending on opening/closing of door or lid.
- Single-pole double-throw switch.
- Conforms to the specified electrical appliances and materials in the Electrical Appliances and Material Safety Act (PSE).
- Can be installed vertically or horizontally.Processing for passing through power cord is required for horizontal installation.
- The body coated with resin prevents dust. And the built-in switch is designed to meet IP67.
- Movable adsorption sheet of counter plate prevents malfunction of catch and switch.

[Specifications]

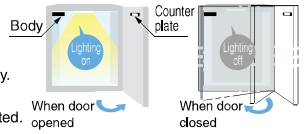
Rated Voltage and Current	AC250V 5A (Load Resistance) AC125V 5A (Load Resistance) DC30V 5A (Load Resistance)
Insulation Resistance	Min. 100MΩ (DC500V)
Contact Resistance (Initial Value)	Max. 100MΩ
Min. Applicable Load	DC5V 160mA
Operating Temperature	-40~+80℃, Max. 60% RH (No Freezing and Condensation)
Lead Wire	Single Core Heat Resistant PVC Cord 0.75 mm² (<PS> E Certification)

[Switch Contact Type]



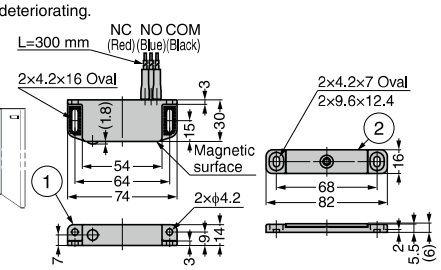
NC (Red) = Normally Close
NO (Blue) = Normally Open
COM (Black) = Common
The power switch operates depending on opening/closing of door or lid.

[Two Types of Operation Can Be Choosen by Selecting Connection]
- Connecting NO (Blue) and COM (Black)
  Energised when the counter plate is in contact with the body.
- Connecting NC (Red) and COM (Black)
  Energised when the counter plate and the body are separated.
  Example) To turn on the inspection light when the door opens in cabinet etc., connect NC (red) and COM (black).



[Remarks]
- Be sure to read the "Cautions" 1.
- Do not use as a door stopper. Otherwise, it may be damaged.
- If the product containing this product falls under other category than the specified electrical appliances and materials, please report to the regulatory agency.
- Do not use in contact with steam, hot water and water. Do not leave strongly acidic or basic detergents to avoid deteriorating.

[Parts Included]
- Counter plate



RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-017-555	MC-JM74SW-30	29.4	3	80	10	80

No.	Part Name	Material	Finish / Colour
①	Body	POM/Neodymium	Black
②	Counter Plate	POM/Stainless Steel (SUS430)	Black/Barrel Polished

Refer to 1 : P.431

HEAVY DUTY MAGNETIC CATCH MCH

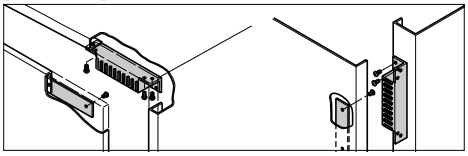


- Can be installed vertically or horizontally.
- Robust die casted body suitable for strong magnetic force.

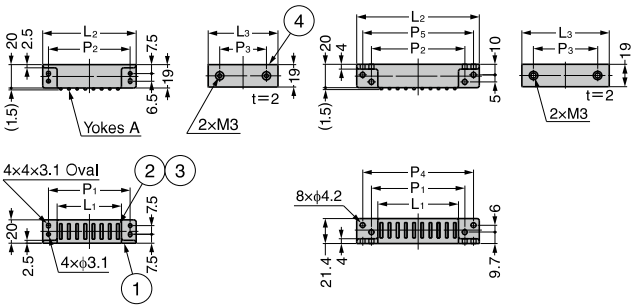
[Remarks]
- Be sure to read the "Cautions" 1.

[Parts Included]
- Counter plate

[Installation]



No.	Part Name	Material	Finish / Colour
①	Body	Zinc Alloy (ZDC)	Nickel
②	Yoke	Steel (SPCC)	Coloured Zinc Chromate (Trivalent)
③	Magnet	Ferrite	–
④	Counter Plate	Steel (SPCC)	Coloured Zinc Chromate (Trivalent)



MCH-40~MCH-80 MCH-105

RoHS	CAD	Item Code	Item Name	L_1	L_2	L_3	P_1	P_2	P_3	P_4	P_5	A	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-145	MCH-40	20	40	22	30	30	12	–	–	3	29	3	56	300	3000
G	3D	140-050-144	MCH-50	27	50	29	40	40	18	–	–	4	68	7	74	250	2500
G	3D	140-050-143	MCH-61	41	61	43	50	50	27	–	–	6	107	11	110	200	2000
G	3D	140-050-142	MCH-80	55	80	60	70	70	40	–	–	8	137	14	140	150	1500
G	3D	140-050-141	MCH-105	69	105	75	80	80	55	95	95	10	147	15	206	24	120

Refer to 1 : P.431

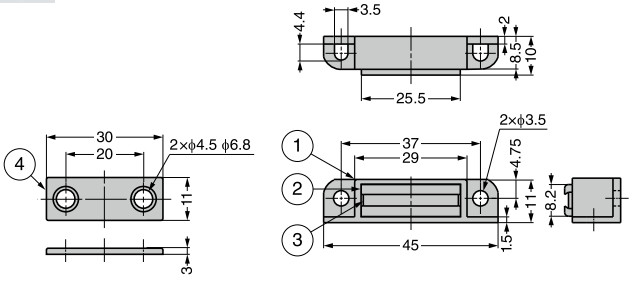
MAGNETIC CATCH MC-110NF Compact & Strong Force Type



- Can be installed vertically or horizontally.
- Small body with strong magnetic force by using neodymium magnet.

[Remarks]
- Be sure to read the "Cautions" 1.
- Max. temperature: 80°C
- When adsorbing to sheet metal without using counter plate, the sheet thickness shall be 3mm or more.Otherwise, the magnetic force decreases.
- Colours in the picture may be somewhat different from the actual item.

[Parts Included]
- Counter plate
- Pan head wood screw 3.1×13
- Countersunk head wood screw 2.9×13



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

RoHS	CAD	Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-335	MC-110NF-WT	White	78.4	8	10	100	800
G	3D	140-050-336	MC-110NF-GR	Grey				100	800

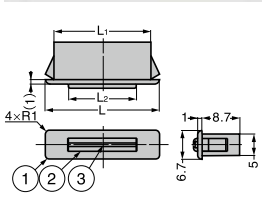
Refer to 1 : P.431

MAGNETIC CATCH MC-FS Snap-in & Single Yoke Type

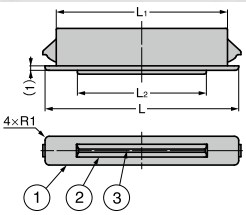


●Thin body for tight spaces.

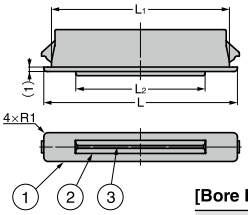
[Remarks]
●Be sure to read the "Cautions" 1.
●Max. temperature for neodymium magnet: 80℃



MC-FS-2, MC-FS-4W



MC-FS-4SW-0810

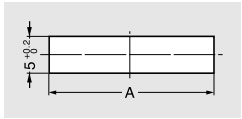


MC-FS-4SW-12

[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	$41.8^{+0.2}_{0}$

[Cut Out Dimensions]



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

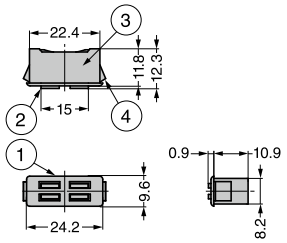
RoHS	CAD	Item Code	Item Name	Material	L	L1	L2	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-013-016	MC-FS-2W	Ferrite	26.5	22.4	16	15	1.5	3.5	400	4000
G	3D	140-013-017	MC-FS-2SW	Neodymium				34	3.5		400	4000
G	3D	140-013-015	MC-FS-4W	Ferrite	45	39.6	30	25	2.5	5.8	200	2000
G	3D	140-046-402	MC-FS-4SW-0810	Neodymium		39.8		69	7	6.7	200	2000
G	3D	140-046-403	MC-FS-4SW-12	Neodymium							200	2000

Refer to 1 : P.431

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

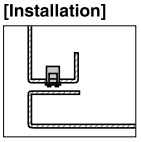
MAGNETIC CATCH MC-FS3 Snap-in Installation



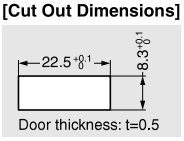


[Remarks]
●Be sure to read the "Cautions" 1.

[Installation]



[Cut Out Dimensions]



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

RoHS	CAD	Item Code	Item Name	Body Colour	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-005	MC-FS3W	White	12.7	1.3	5	60	2160
G	3D	140-050-006	MC-FS3B	Black				60	2160

Refer to 1 : P.431

※Limited stock available. Please contact your local agent or your nearest Sugatsune subsidiary for detail/availability.

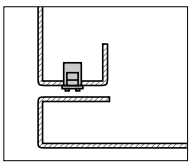
MAGNETIC CATCH MC-FS34 Snap-in Installation



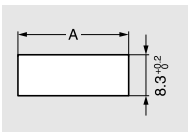
[Remarks]

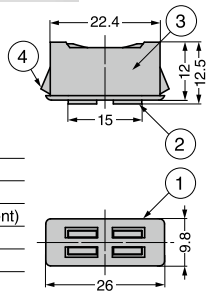
- Be sure to read the "Cautions" 1.

[Installation]



[Cut Out Dimensions]





[Bore Dimensions]

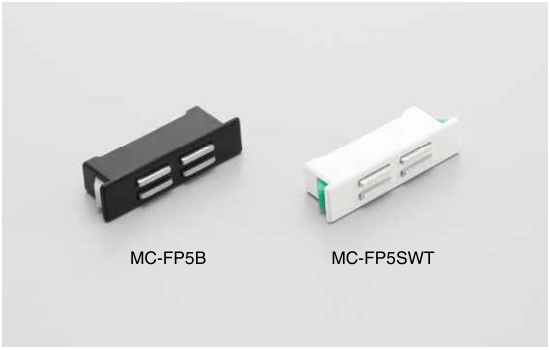
Item Name	Door Thickness	A
MC-FS34 WW/GW	0.5	22.6 +0.15 0
	0.8	23.7 +0.15 0
MC-FS34 WB/BB/GB	1.0	22.7 ±0.1
	1.2	23.5 ±0.1
	1.4	24.0 ±0.1
MC-FS34 WG/GG	1.6	22.7 ±0.1
	2.0	23.8 ±0.1

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

RoHS	CAD	Item Code	Item Name	Body Colour	Spring Colour	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-033-951	MC-FS34WW	White	White	12.7	1.3	5.3	200	2000
G	3D	140-033-952	MC-FS34GW	Grey		21.6	2.2		200	2000
G	3D	140-033-953	MC-FS34WB	White	Blue	12.7	1.3		200	2000
G	3D	140-033-954	MC-FS34BB	Black					200	2000
G	3D	140-033-955	MC-FS34GB	Grey		21.6	2.2		200	2000
G	3D	140-033-956	MC-FS34WG	White	Green	12.7	1.3		200	2000
G	3D	140-033-957	MC-FS34GG	Grey		21.6	2.2		200	2000

Refer to 1 : P.431

MAGNETIC CATCH MC-FP5 Snap-in Installation

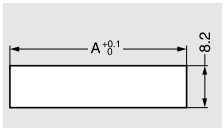


- MC-FP5S: Small body with strong magnetic force by using neodymium magnet.

[Remarks]

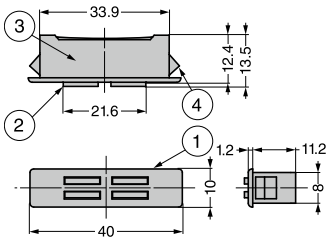
- Be sure to read the "Cautions" 1.
- Max. temperature for MC-FP5S: 80℃

[Cut Out Dimensions]

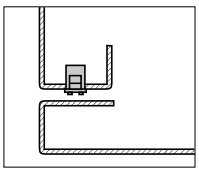


[Bore Dimensions]

Door Thickness	A
0.8	34.1
1.0	
1.2	34.5
1.4	
1.6	35
2.0	36.5



[Installation]



No.	Part Name	Material	Finish / Colour
①	Body	ABS	White, Black
②	Yoke	Steel (SPCC)	Coloured Zinc Chromate (Trivalent)
③	Magnet	Ferrite (MC-FP5), Neodymium (MC-FP5S)	–
④	Spring	POM	Natural, Green

RoHS	CAD	Item Code	Item Name	Body Colour	Spring Colour	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-086	MC-FP5W	White	Natural	21.6	2.2	9	200	2000
G	3D	140-050-087	MC-FP5B	Black					200	2000
G	3D	140-050-268	MC-FP5SWT	White	Green	44.1	4.5		200	2000
G	3D	140-050-269	MC-FP5SBL	Black					200	2000

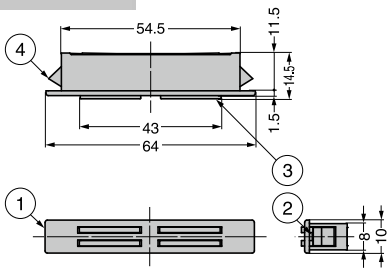
Refer to 1 : P.431

MAGNETIC CATCH MC-FS10, MC-FS17W Snap-in Installation





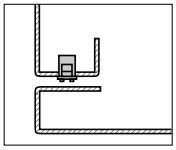
The shape of the spring will change when the current stock is run out.



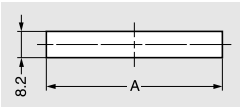
●MC-FS17W has stronger magnetic force than MC-FS10.

[Remarks]
●Be sure to read the "Cautions" 1.

[Installation]



[Cut Out Dimensions]



[Bore Dimensions]

Door Thickness	A
0.8	55
1.0	
1.2	55.5
1.6	56
2.0	56.5

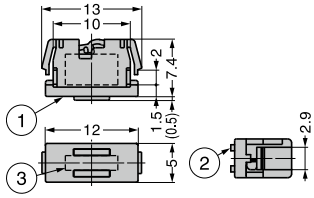
No.	Part Name	Material	Finish / Colour
①	Body	ABS	White, Black (MC-FS10B)
②	Yoke	Steel (SPCC)	Coloured Zinc Chromate (Trivalent)
③	Magnet	Ferrite	–
④	Spring	POM	White (MC-FS10), Red (MC-FS17W)

RoHS	CAD	Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-293	MC-FS10W	White	44.1	4.5	17.1	50	1000
G	–	140-050-294	MC-FS10B	Black				50	1000
G	3D	140-050-334	MC-FS17W	White	58.8	6	17.8	50	1000

Refer to 1 : P.431

MAGNETIC CATCH CM-2B Snap-in Installation



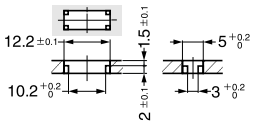


●Small body allows easy installation around the door.
●Flam retardant resin (UL94V-2).

[Specifications]
●Operating temperature: -10℃~60℃

[Remarks]
●Be sure to read the "Cautions" 1.

[Cut Out Dimensions]



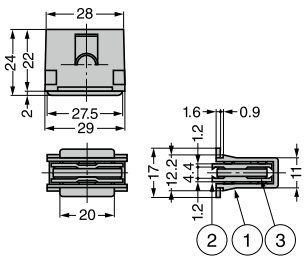
No.	Part Name	Material	Finish / Colour
①	Body	PA	Black
②	Yoke	Steel (SPCC)	Black Chromate (Trivalent)
③	Magnet	Ferrite	–

RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-011-122	CM-2B	3.9	0.4	1	200	–

Refer to 1 : P.431

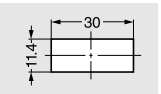
MAGNETIC CATCH MC-SS30 Snap-in Installation





[Remarks]
●Be sure to read the "Cautions" 1.

[Cut Out Dimensions]



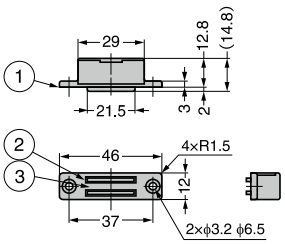
No.	Part Name	Material	Finish / Colour
①	Body	ABS	Ivory
②	Yoke	Steel (SPCC)	Coloured Zinc Chromate (Trivalent)
③	Magnet	Ferrite	–

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

Refer to 1 : P.431

MAGNETIC CATCH MC0051





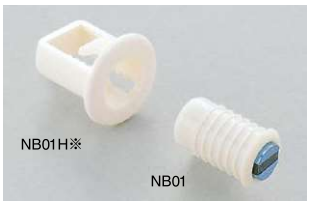
[Remarks]
- Be sure to read the "Cautions" 1.

No.	Part Name	Material	Finish / Colour
①	Body	ABS	Black
②	Yoke	Steel (SPCC)	Clear Zinc Chromate
③	Magnet	Ferrite	–

RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-053-503	MC0051	53.9	5.5	17	100	1000

Refer to 1 : P.431

MAGNETIC CATCH NB01



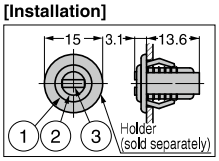
※Holder sold separately.

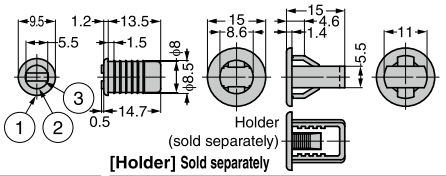
No.	Part Name	Material	Finish / Colour
①	Body	PA	White
②	Yoke	Steel (SPCC)	Clear Zinc Chromate (Trivalent)
③	Magnet	Ferrite	–

[Remarks]
- Be sure to read the "Cautions" 1.

[Sold Separately]
- Holder NB01H

[Installation]





Door Thickness	φ Hole Dia.
0.8~1.4	11.5
1.5~3	12

[Body]

RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-322	NB01	10.78	1.1	2	500	5000

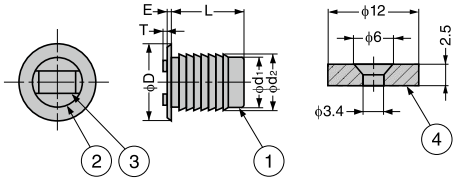
[Holder] Sold separately

RoHS	CAD	Item Code	Item Name	Material	Colour	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-205	NB01H	PA	White	0.5	500	5000

Refer to 1 : P.431

MAGNETIC CATCH MC-IS





[Remarks]
- Be sure to read the "Cautions" 1.

[Parts Included]
- Counter plate W4 2

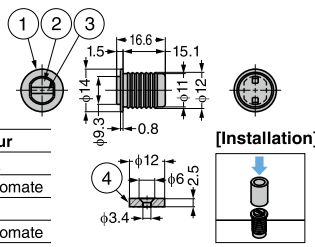
No.	Part Name	Material	Finish / Colour
①	Body	PA	White, Black
②	Yoke	Steel	Coloured Zinc Chromate
③	Magnet	Ferrite	–
④	Counter Plate	Steel	Coloured Zinc Chromate

RoHS	CAD	Item Code	Item Name	Colour	D	L	E	T	d_1	d_2	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-515	MC-IS2WP	White	10	13.8	1	0.7	8	8.6	9.8	1.0	4.7	200	5000
G	3D	140-050-517	MC-IS2BP	Black										200	5000
G	3D	140-050-516	MC-IS4WP	White	14	14	0.7	1.2	11	12	24.5	2.5	7.7	100	3000
G	3D	140-050-518	MC-IS4BP	Black										100	3000

Refer to 1 : P.431, 2 : P.464

MAGNETIC CATCH MC-IS4F Yoke Movable Type





- Movable magnet yoke allows better contact with counter plate and ensures full magnetic force.

[Remarks]
- Be sure to read the "Cautions" 1.
- When installing, please use a cylindrical thing to strike in the front flange part of magnetic catch shown as left.
- Do not use glue. (Or the yoke part may be stuck.)

[Installation]

[Remarks]
- Counter plate W4 2

No.	Part Name	Material	Finish / Colour
①	Body	PA	White, Black
②	Yoke	Steel	Coloured Zinc Chromate
③	Magnet	Ferrite	–
④	Counter Plate	Steel	Coloured Zinc Chromate

RoHS	CAD	Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-519	MC-IS4FWTP	White	24.5	2.5	7.7	100	1000
G	3D	140-050-520	MC-IS4FBLP	Black				100	1000

Refer to 1 : P.431, 2 : P.464

DOORSTOP MAGNETIC CATCH FOR GLASS DOORS HT-MSG72-ER With Emergency Open Function

INSTRUCTION SUS TEMPERED GLASS


HT-MSG72-ER1-SM


HT-MSG72-ER2-BL


Strike Plate

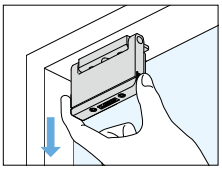
- A doorstop with a clean design that uses magnetic force to hold the door closed.
- In emergencies, the door can be opened without tools.
- Can be used in areas exposed to water such as shower booths.
- The magnet is coated with silicone rubber to catch doors gently.

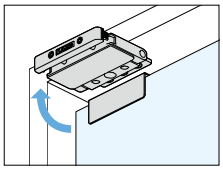
[Applications]
- Shower rooms, bathrooms.

[Parts Included]
- Operation seal
- Hex socket countersunk head screw M4×16 (stainless steel)

[Remarks]
- Install with product side at least 20mm from wall.
- Operating temperature: Max. 80°C.
- Please do not scratch the part of the silicone rubber which comes into contact with the strike plate. It may cause the silicone to break. If you do not use the strike plates sold separately, please make sure to use a flat one instead.
- The strike plate must be installed on the upper section of the door. Installation on the bottom or side of the door may cause misalignment.
- The magnetic force is the value when using with the strike plate.
- Use the product with a vertically opening hinge.

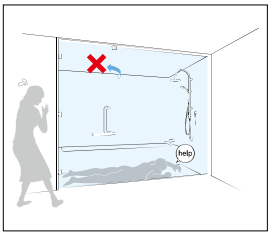
[Emergency Open Method]


(1) Pull the body lever down.

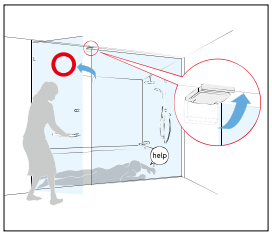

(2) Lift the body forward.

[Emergency Application Example]

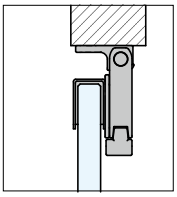
Doorstop without emergency open function

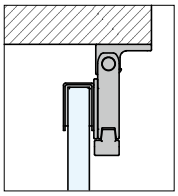

Doorstop interferes and door will not open outward.

Doorstop with emergency open function (this product)

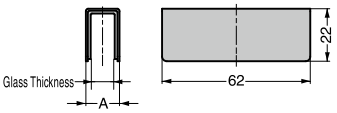

Door can be kept open without tools.

[Usage Image]


Thin doorframes


Standard

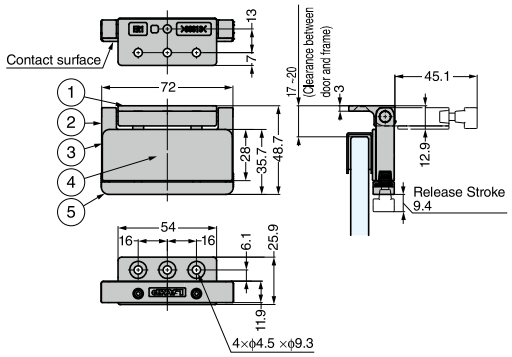
[Strike Plate]



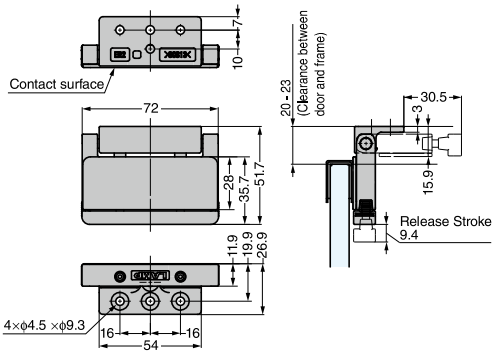
No.	Part Name	Material
①	Mounting Plate	Stainless Steel (SCS13)
②	Body	
③	Bumper	Silicone (Q)
④	Magnet	Neodymium
⑤	Operating Lever	Polypropylene (PP)

[Catch]

Thin doorframes



Standard



[Catch]

RoHS	CAD	Item Code	Item Name	Finish/Colour	Specifications	Magnetic Force N	Magnetic Force kgf	Weight (g)
G	3D	270-048-315	HT-MSG72-ER1-SM	Mirror	Thin doorframes	35	3.6	209.5
G	3D	270-048-316	HT-MSG72-ER1-BL	Baked Paint/Black				212.9
G	3D	270-048-317	HT-MSG72-ER2-SM	Mirror	Standard			223.1
G	3D	270-048-318	HT-MSG72-ER2-BL	Baked Paint/Black				227.0

[Strike Plate] Sold Separately

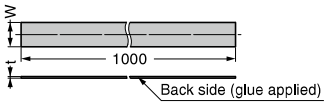
RoHS	CAD	Item Code	Item Name	Glass Thickness	A	Weight (g)
G	3D	270-043-850	HT-MSG62-U8	8	12.1	22.3
G	3D	270-043-851	HT-MSG62-U10	10	14.1	22.9
G	3D	270-043-852	HT-MSG62-U12	12	16.4	23.7

[Packing for Strike Plate] Optional (can be used only with the strike plate for 12 mm glass)

RoHS	CAD	Item Code	Item Name	Glass Thickness	Weight (g)
G	–	270-043-853	HT-MSG62-P127	12.7	1.4
G	–	270-043-854	HT-MSG62-P135	13.5	1.1

MAGNETIC RUBBER SHEET KMS Strong Force Type





- Easy to cut.
- Easy to apply with glue.

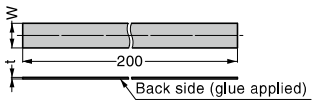
[Remarks]
- Be sure to read the "Cautions" 1.
- Don't use outside.
- Do not use in contact with steam, hot water and water. The cut surface may rust.
- Do not use for installing fragile or heavy items vertically.

RoHS	CAD	Item Code	Item Name	Material	W	t	Magnetic Force N/cm²	Magnetic Force gf/cm²	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-059-474	KMS-1-1000	Ferrite/ CPE	12.7	0.8	0.588	60	42	100	–
G	3D	140-059-475	KMS-2-1000		19.1				62	100	–
G	3D	140-059-476	KMS-3-1000		25.4				83	100	–
G	3D	140-059-453	KMS-4-1000		12.7	1.5	0.931	95	73	100	–
G	3D	140-059-492	KMS-5-1000		19.1				110	100	–
G	3D	140-059-493	KMS-6-1000		25.4				146	100	–

Refer to 1 : P.431

MAGNETIC RUBBER SHEET NMS Extra Strong Force Type





- Easy to cut.
- Easy to apply with glue.
- Ultra thin but strong magnetic force by using neodymium magnet.
- Weaker magnetic type (KMS 1) available.

[Remarks]
- Be sure to read the "Cautions" 2.
- Don't use outside.
- Do not use in contact with steam, hot water and water. The cut surface may rust.
- Max. temperature: 80°C
- Do not use for installing fragile or heavy items vertically.

RoHS	CAD	Item Code	Item Name	Material	W	t	Magnetic Force N/cm²	Magnetic Force kgf/cm²	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-021-209	NMS-1-200	Neodymium/ Nitrile Rubber (NBR)	12.7	0.8	3.8	0.39	10	100	–
G	3D	140-021-210	NMS-2-200		19.1				16	100	–
G	3D	140-021-211	NMS-3-200		25.4				21	100	–
G	3D	140-021-212	NMS-4-200		12.7	1.5	5.4	0.55	19	100	–
G	3D	140-021-213	NMS-5-200		19.1				30	100	–
G	3D	140-021-214	NMS-6-200		25.4				39	100	–

Refer to 1 : P.463, 2 : P.431

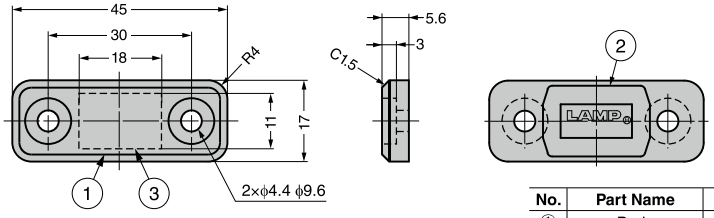
SEALED COUNTER PLATE MC-JMP45



- For resin coated magnetic catch.
- The couter plate coated with resin prevents rusting, dust and spark.
- Completely sealed, ideal for high corrosion environments such as kitchen and bath 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 Screws]
- M4 screw, tapping screw nominal 4 (truss or binding head, SUS)



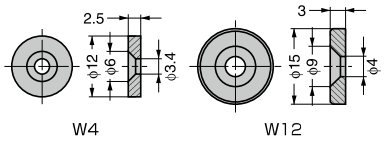
No.	Part Name	Material	Finish / Colour
①	Body	PP	White, Black
②	Body (Back Side)		Blue
③	Plate	Steel (SPCC)	Clear Zinc Chromate (Trivalent)

RoHS	CAD	Item Code	Item Name	Colour	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-122	MC-JMP45WT	White	7.3	100	1000
G	3D	140-029-241	MC-JMP45BL	Black		100	1000

COUNTER PLATE W



W4 shown.

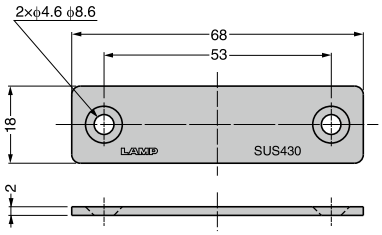


RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-051	W4	Steel (SPHC)	Coloured Zinc Chromate (Trivalent)	1.7	1000	10000
G	3D	140-050-113	W12	Steel (SUM)	Nickel	3.3	600	3000

STAINLESS STEEL COUNTER PLATE AS-68

NSF SUS



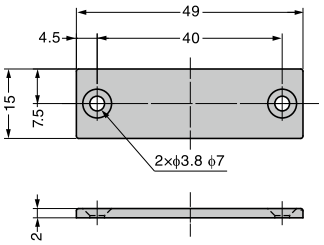


RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-138	AS-68	Stainless Steel (SUS430)	Barrel Polished	17	100	1000

STAINLESS STEEL COUNTER PLATE MC-JM49

NSF SUS

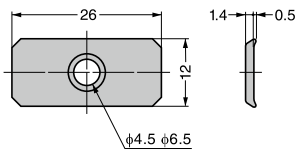




RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-149	MC-JM49	Stainless Steel (304 Equivalent)	Polished	10	100	1000

COUNTER PLATE SP0207

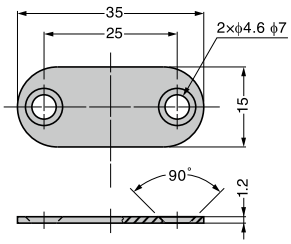




RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-323	SP0207	Steel	Clear Zinc Chromate	3.1	5000	–

COUNTER PLATE MC-YN001U



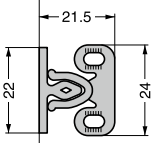


RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-059-555	MC-YN001U	Steel (SPCC)	Nickel	4	5000	–
G	3D	140-038-025	MC-YN001U-BL		Copper Plating (Black)	4	5000	–

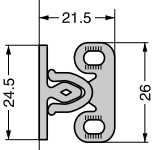
Plastic Catch Size Correlation Diagram (S≒1/2)

[Surface Mount (Vertical) Type]

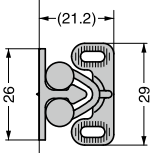
Knuckle Catch
JC-24, JC-24B (P.468)
Push-in Force: 30.4 N (3.1 kgf)
Pulling Force: 26.5 N (2.7 kgf)
Weight: 1.5 g



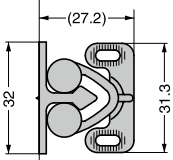
Knuckle Catch
JC-26 (P.468)
Push-in Force: 21.6 N (2.2 kgf)
Pulling Force: 16.7 N (1.7 kgf)
Weight: 2 g



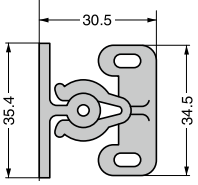
Rotary Catch
RC6900 (P.467)
Push-in Force: 10.8 N (1.1 kgf)
Pulling Force: 15.7 N (1.6 kgf)
Weight: 3 g



Rotary Catch
RC6901 (P.467)
Push-in Force: 21.6 N (2.2 kgf)
Pulling Force: 31.4 N (3.2 kgf)
Weight: 4 g

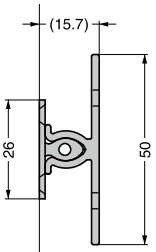


Knuckle Catch
NAC (P.466)
Push-in Force: 55.8 N (5.7 kgf)
Pulling Force: 69.5 N (7.1 kgf)
Weight: 4.5 g



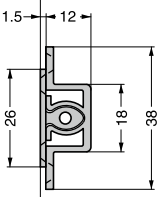
[Surface Mount (Horizontal) Type]

Knuckle Catch
JC-T50 (P.466)
Push-in Force: 19 N (1.9 kgf)
Pulling Force: 20 N (2.0 kgf)
Weight: 3 g

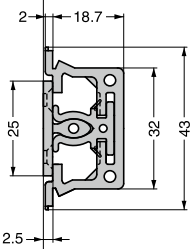


[Mortise Type]

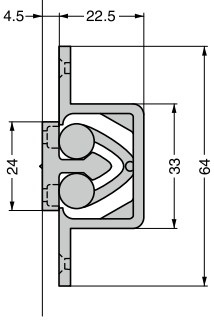
Knuckle Catch
JCU (P.468)
Push-in Force: 19.6 N (2 kgf)
Pulling Force: 22.5 N (2.3 kgf)
Weight: 3.5 g



Knuckle Catch
JCU-F (P.469)
Push-in Force: 19.6 N (2 kgf)
Pulling Force: 19.6 N (2 kgf)
Weight: 5.2 g



Rotary Catch
RCU (P.467)
Push-in Force: 29.4 N (3 kgf)
Pulling Force: 31.4 N (3.2 kgf)
Weight: 8 g

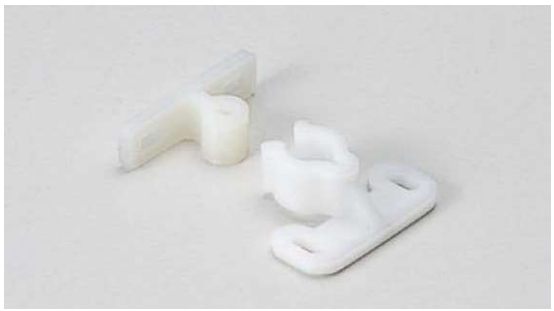


Approx. 50 mm

※Two surface mount types available: vertical or horizontal to mounting surface.

KNUCKLE CATCH NAC

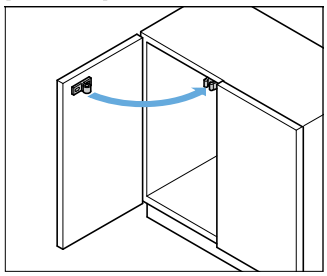
TEST METHOD 10

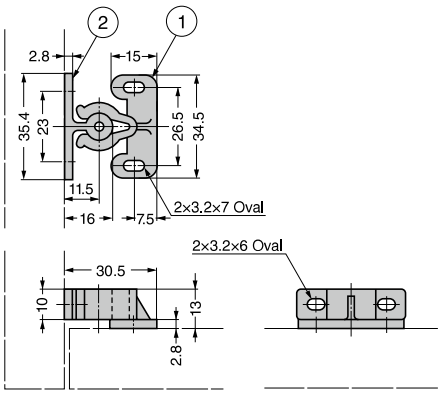


- Holds door tightly and suitable for large door.
- High durability.
- Can be used for overlay and inset door.

[Remarks]
- Catch force varies.Please check with actual item.
- The body colour is different from the striker.
- The push-in and pulling force may vary for ±20-30%. Please check with the actual item

[Installation]



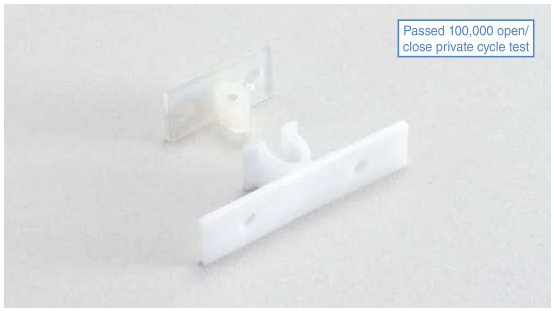


No.	Part Name	Material	Colour
①	Body	POM	Natural
②	Striker	PA	

RoHS	CAD	Item Code	Item Name	Push-in Force N	Push-in Force kgf	Pulling Force N	Pulling Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
–	3D	140-051-013	NAC	58	5.9	69	7.0	4.5	100	1000

KNUCKLE CATCH JC-T50

TEST METHOD 10



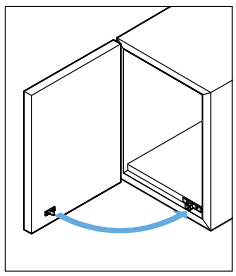
- Can be used for overlay and inset door.
- Suitable for various applications such as swing doors, and drawers, etc.

[Applications]
- Furniture, kitchen equipment and marine hardware, etc.

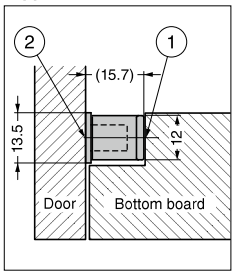
[Remarks]
- Catch force varies.Please check with actual item.
- The push-in force and pulling force may vary for ±20-30%. Please check with the actual item.

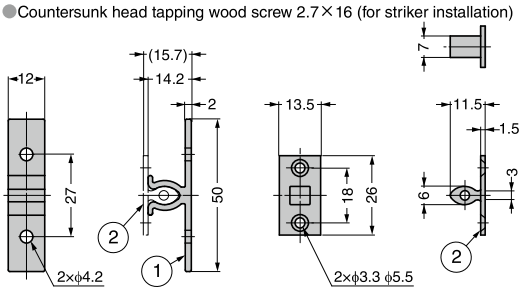
[Parts Included]
- Binding head tapping screw 4×16 (for body installation)
- Countersunk head tapping wood screw 2.7×16 (for striker installation)

[Installation]



[Application Reference]





No.	Part Name	Material	Colour
①	Body	POM	Natural
②	Striker	PA	

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

ROTARY CATCH (MORTISE TYPE) RCU

TEST METHOD 10

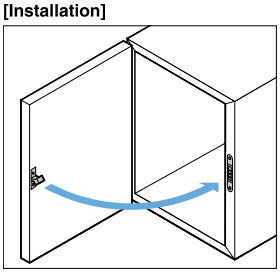


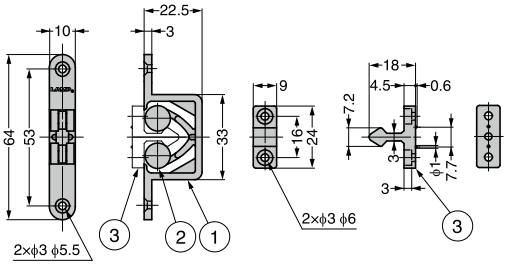
- Mortise type.
- For overlay doors.

[Applications]
- Furniture, kitchen equipment and marine hardware, etc.

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

[Installation]





No.	Part Name	Material	Colour
①	Body	POM	Natural
②	Roller	PE	
③	Striker	POM	

RoHS	CAD	Item Code	Item Name	Push-in Force N	Push-in Force kgf	Pulling Force N	Pulling Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-051-014	RCU	27	2.8	32	3.3	8	100	800

ROTARY CATCH RC6900, RC6901

TEST METHOD 10

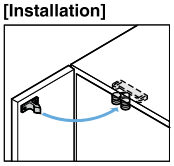


- High durability (passed 300,000 times durability test).
- Light open/close touch by combining polyacetal resin and roller.
- Can be used for overlay and inset door.
- Brown colour available as special order.(RC6901 only).

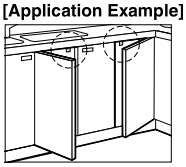
[Applications]
- Suitable for general furniture, kitchen equipment and marine hardware.

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

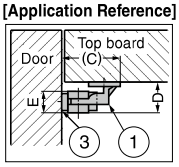
[Installation]

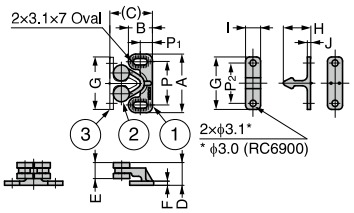


[Application Example]



[Application Reference]





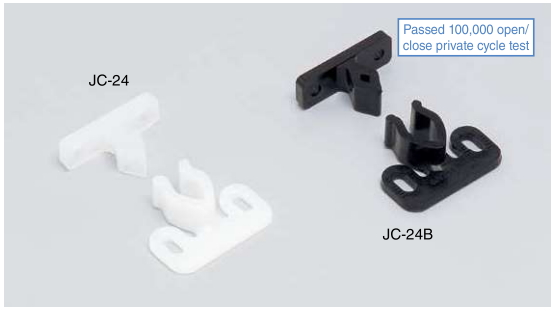
Item Name	Push-in Force N	Push-in Force kgf	Pulling Force N	Pulling Force kgf
RC6900	11	1.1	16	1.6
RC6901	24	2.4	29	3.0
RC6901BL	19	1.9	25	2.6

No.	Part Name	Material	Colour
①	Body	POM	Natural/ Black
②	Roller	PE	
③	Striker	POM	

RoHS	CAD	Item Code	Item Name	A	B	C	D	E	F	P	P_1	G	H	I	J	P_2	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-209	RC6900	29	12	21.2	11.3	8	2	21.5	6	26	13.5	7.5	1.7	20	3	100	2000
G	3D	140-051-015	RC6901	31.3	14	27.2	12.6	9	2.3	24.4	7.5	32	16.5	9	2	23.6	4	100	2000
G	3D	140-042-155	RC6901BL														4	100	2000

KNUCKLE CATCH JC-24, JC-26

TEST METHOD 10



- Can be used for overlay and inset door.

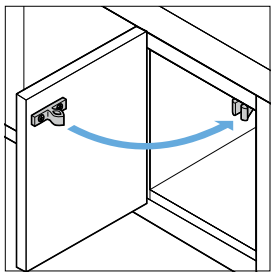
[Applications]

- Furniture, kitchen equipment and marine hardware, etc.

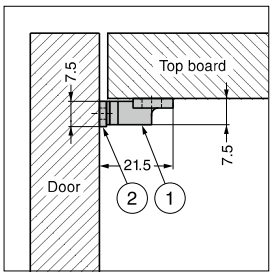
[Remarks]

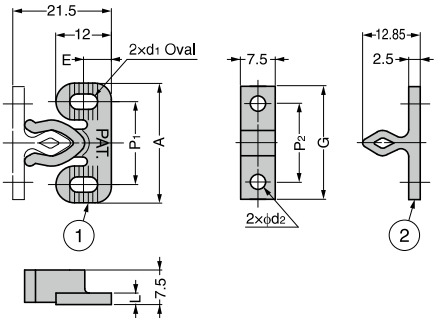
- Catch force varies. Please check with actual item.
- The push-in and pulling force may vary for ±20-30%. Please check with the actual item.

[Installation]



[Application Reference]



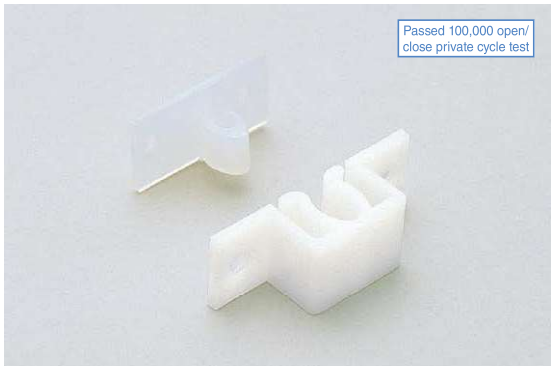


No.	Part Name	Material	Colour
①	Body	POM	Natural/Black
②	Striker	PA	

RoHS	CAD	Item Code	Item Name	A	P1	E	G	P2	L	d1	d2	Push-in Force N	Push-in Force kgf	Pulling Force N	Pulling Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-046	JC-24	24	17	7	22	15.7	2	2.5×5.5	2.5	28	2.9	23	2.3	1.5	100	2000
G	3D	140-916-119	JC-24B									25	2.6	21	2.1		100	2000
G	3D	140-051-018	JC-26	26	18	6	24.5	17	2.5	3.3×6	3.3	17	1.7	13	1.3	2	100	5000

KNUCKLE CATCH (MORTISE TYPE) JCU

TEST METHOD 10

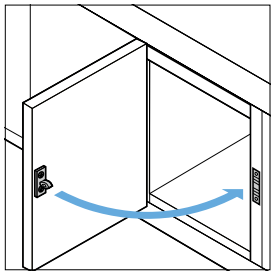


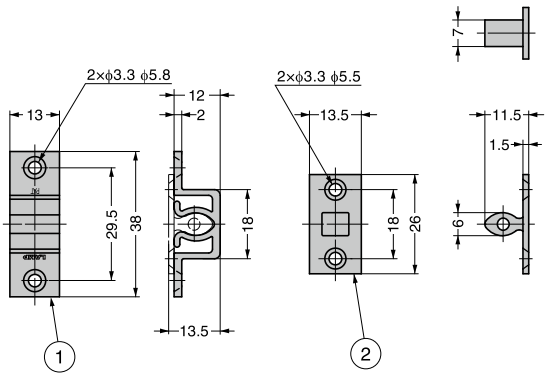
- Durable and reliable.
- For overlay doors.

[Remarks]

- The push-in force and pulling force may vary for ±20-30%.. Please check with the actual item.
- The body colour is different from the striker.

[Application Example]



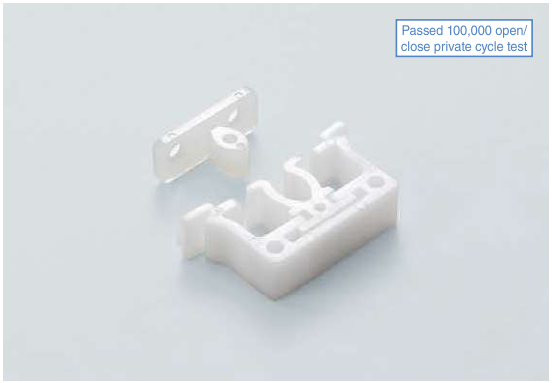


No.	Part Name	Material	Colour
①	Body	POM	Natural
②	Striker	PA	

RoHS	CAD	Item Code	Item Name	Push-in Force N	Push-in Force kgf	Pulling Force N	Pulling Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-051-020	JCU	18	1.8	17	1.7	3.5	50	1000

KNUCKLE CATCH (MORTISE TYPE) JCU-F Snap-in Installation

TEST METHOD 10



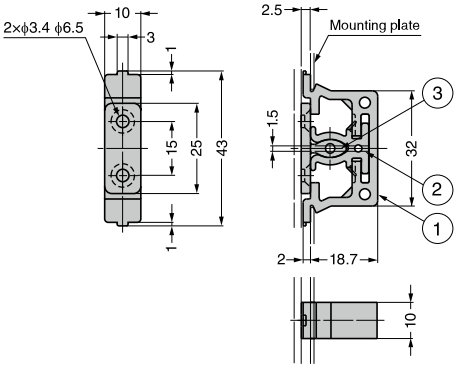
- Body ① can be snapped in the mounting hole.
- Catch ② slides 1.5mm for better alignment with striker ③.

[Remarks]

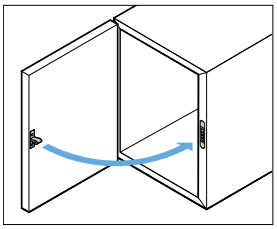
- The push-in force and pulling force may vary for ±20-30%. Please check with the actual item.

[Recommended Screws]

- Countersunk screw M3



[Application Example]



[Cut Out Dimensions]

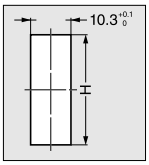


Plate Thickness	Height H
0.8	32.3
1.0	32.9
1.2	33.8

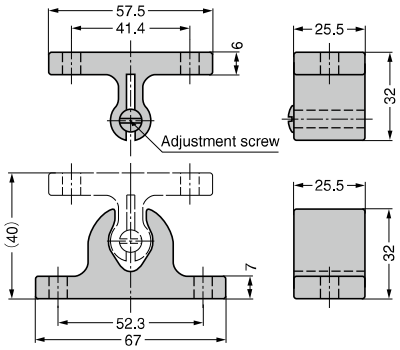
No.	Part Name	Material	Colour
①	Body	POM	Natural
②	Catch		
③	Striker	PA	

RoHS	CAD	Item Code	Item Name	Push-in Force N	Push-in Force kgf	Pulling Force N	Pulling Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-051-112	JCU-F	25	2.6	26	2.7	5.2	40	800

ADJUSTABLE KNUCKLE CATCH ESO-6732



- Grabs and holds doors tightly.
- Strong catch force.
- Catch force is adjustable by turning adjustment screw.

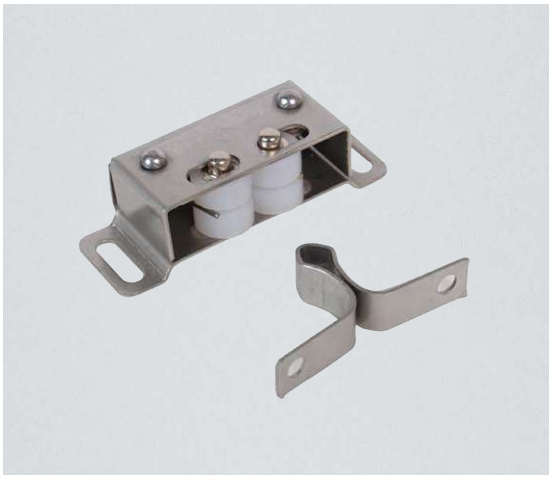


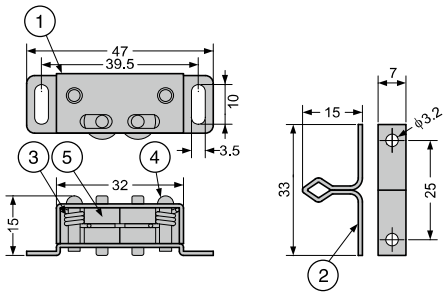
RoHS	CAD	Item Code	Item Name	Material	Colour	Push-in Force N	Push-in Force kgf	Pulling Force N	Pulling Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-036-055	ESO-6732/WHT	PA	White	127.4~254.8	13~26	78.4~196	8~20	42	20	200
G	3D	140-036-056	ESO-6732/BK		Black						20	200

Please contact your local agent or your nearest Sugatsune subsidiary for detail/availability.

ROLLER CATCH S-1080 (STBRC)

SUS





No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Plain
②	Counter Plate		
③	Spring		
④	Rivet	Stainless Steel (SUS430)	
⑤	Roller	PE	White

RoHS	CAD	Item Code	Item Name	Push-in Force kgf	Pulling Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-098-005	S-1080 (STBRC)	1.0	2.7	18	60	1200

TENSION CATCH BCTS

TEST METHOD 10 SUS316

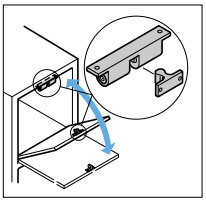


- Can be installed vertically or horizontally.

[Remarks]

- Catch force is not adjustable.Do not turn the slot part.
- Push-in and pulling force may vary. Please check with actual item.

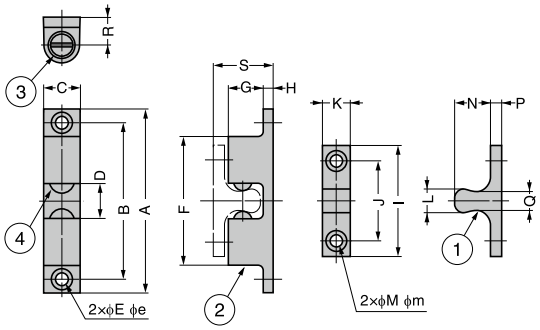
[Application Example]



Can also be installed vertically.

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

※SCS14 is equivalent to SUS316.

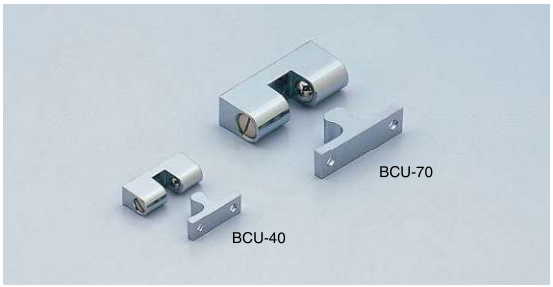


Item Name	A	B	C	D	E	e	F	G	H	I	J	K	L	M	m	N	P	Q	R	S
BCTS-40	43	35	8	5.9	3.2	6.2	28.4	7.5	2.5	25	16	7.5	4.5	3.2	6.2	8.5	2.5	2.7	6	13.5
BCTS-50	50	40	10	7.5	4.2	8.2	31.5	9.3	2.9	30	20	9	6	4.2	8.2	10.3	2.9	3.8	7.2	16.1
BCTS-70	70	60	13	13			51	13	4	42	30	10.5	10			15	4	8	10.5	23

RoHS	CAD	Item Code	Item Name	Push-in Force N	Push-in Force kgf	Pulling Force N	Pulling Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-242	BCTS-40	20	2	13	1.3	18	50	500
G	3D	140-050-241	BCTS-50	23	2.3	18	1.8	30	50	500
G	3D	140-050-240	BCTS-70	56	5.7	38	3.9	83	25	250

TENSION CATCH BCU

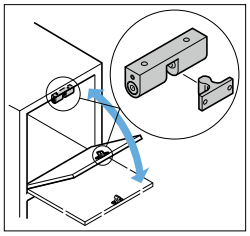
TEST METHOD 10



- Can be installed vertically or horizontally.

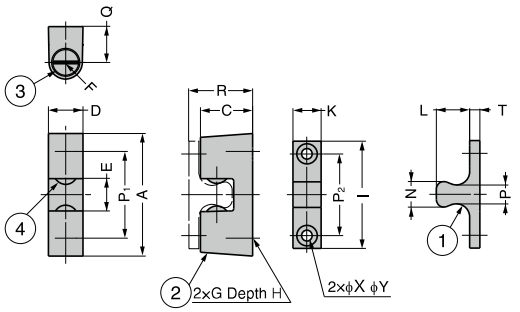
[Remarks]
- Catch force is not adjustable. Do not turn the slot part.
- Push-in and pulling force may vary. Please check with actual item.

[Application Example]



Can also be installed vertically.

No.	Part Name	Material	Finish
①	Counter Plate	Zinc Alloy (ZDC)	Chrome
②	Body		
③	Cover	Brass	Nickel
④	Ball	Steel	Polished
–	Spring	BCU-40: Steel (SWP)	Plain
		BCU-70: Steel (SW)	

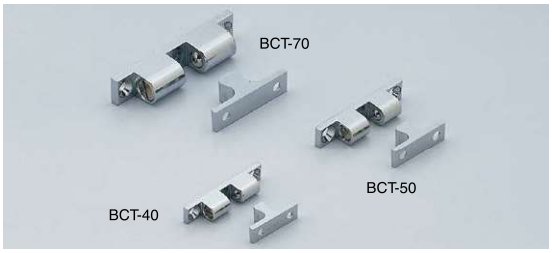


Item Name	A	P_1	C	D	E	F	G	H	I	P_2	K	L	N	P	T	X	Y	Q	R
BCU-40	28.5	20	12.5	8.3	6.5	R4	M3	5	24	16	8	8.8	5.5	3.7	3	3.2	6.4	8.5	15.7
BCU-70	48	34	20.5	13.5	12.7	R6.5	M5	6	42	32	11	13	10	7.3	4	4.2	8.4	14	24.9

RoHS	CAD	Item Code	Item Name	Push-in Force N	Push-in Force kgf	Pulling Force N	Pulling Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-103	BCU-40	35.3	3.6	23.5	2.4	18	100	400
G	3D	140-050-104	BCU-70	40.2	4.1	38.2	3.9	75	50	200

TENSION CATCH BCT

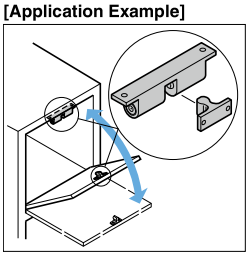
TEST METHOD 10



- Can be installed vertically or horizontally.
- Stainless steel BCTS 1 of the same shape also available.

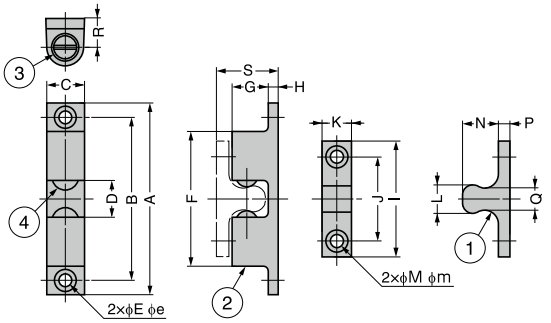
[Remarks]
- Catch force is not adjustable. Do not turn the slot part.
- Push-in and pulling force may vary. Please check with actual item.

[Application Example]



Can also be installed vertically.

No.	Part Name	Material	Finish
①	Male	Zinc Alloy (ZDC)	Chrome
②	Female		
③	Cover	Brass	Nickel
④	Ball	Steel	Polished
–	Spring	Steel (SW)	Plain

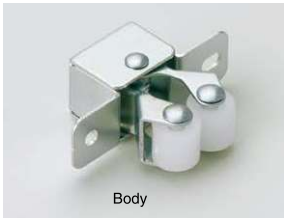


Item Name	A	B	C	D	E	e	F	G	H	I	J	K	L	M	m	N	P	Q	R	S
BCT-40	42.5	35	8	6.3	3.2	6.2	26.7	7.5	2.5	16	7.5	5.5	3.2	6.2	8.8	2.5	3.7	6.25	13.8	
BCT-50	50	40	10	8.4	4.2	8.2	29.8	9.5	3	25	30	20	9	7.3	4.5	8.2	9.8		4.7	7.75	15.3
BCT-70	70	60	13.5	12			49	13	4	42	30	10.5	11	4.2			14.2	3	8.2	10.5	21.2

RoHS	CAD	Item Code	Item Name	Push-in Force N	Push-in Force kgf	Pulling Force N	Pulling Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-108	BCT-40	43.1	4.4	29.4	3.0	16	100	400
G	3D	140-050-107	BCT-50	40.2	4.1	32.3	3.3	26	100	400
G	3D	140-050-106	BCT-70	45.1	4.6	34.3	3.5	70	50	200

Refer to 1 : P.470

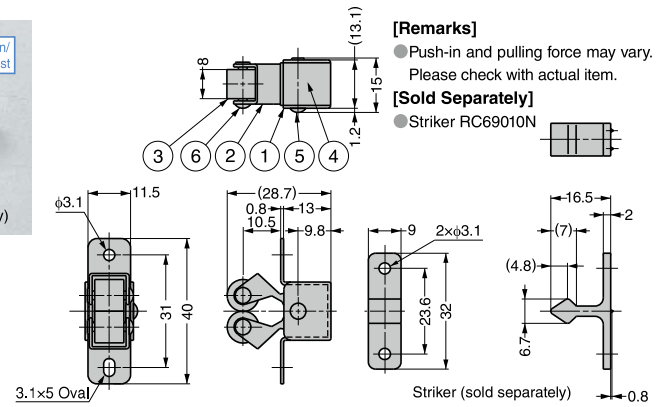
ROLLER CATCH (Mortise Type) R500R


Body



Striker (sold separately)

No.	Part Name	Material	Finish / Colour
①	Body	Steel (SPCC)	Coloured Zinc Chromate (Trivalent)
②	Arm		
③	Roller	PP	Natural
④	Spring	Steel (SWP)	Coloured Zinc Chromate (Trivalent)
⑤	Rivet A	Steel (SWCH)	
⑥	Rivet B		



[Remarks]
- Push-in and pulling force may vary. Please check with actual item.

[Sold Separately]
- Striker RC69010N

[Body] Push-in and pulling force are for using striker RC69010N.

RoHS	CAD	Item Code	Item Name	Push-in Force N	Push-in Force kgf	Pulling Force N	Pulling Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-051-039	R500R	25	2.6	64	6.5	14	100	1000

[Striker] Sold Separately

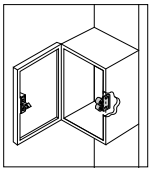
RoHS	CAD	Item Code	Item Name	Material	Colour	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-916-813	RC69010N	POM	White	1	500	5000

ROLLER CATCH R265, R325 Oval Hole

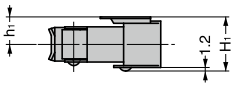
TEST METHOD 3 SUS



[Application Example]



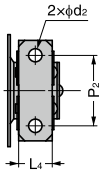
- Polyethylene roller is easy to insert and remove.

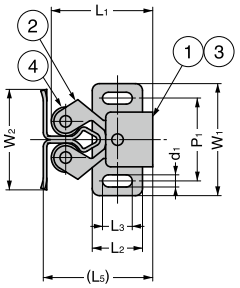


[Applications]
- Small switchboard, measuring equipment, kitchen cabinet, etc

[Remarks]
- Push-in and pulling force may vary. Please check with actual item.

No.	Part Name	Material	Finish/Colour
①	Body	Stainless Steel (SUS430)	Plain
②	Arm		
③	Spring	Stainless Steel (SUS304)	
④	Roller	PE	Natural





[Parts Included]
- Counter plate

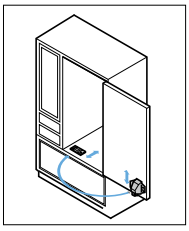
Item Name	L1	L2	L3	L4	L5	W1	W2	H1	h1	P1	P2	d1	d2
R265-SUS	23	12	8	7.2	24	26.9	24.5	13.5	7	19.7	18	3	2.8
R325-SUS	29	14	8.5	9.5	31	31.8	28.5	15.5	7.8	23.5	20	3.5	3.8

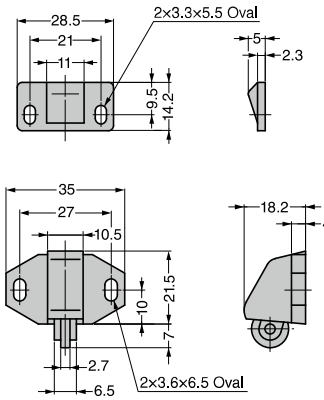
RoHS	CAD	Item Code	Item Name	Push-in Force N	Push-in Force kgf	Pulling Force N	Pulling Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-057-003	R265-SUS	12.7	1.3	23.5	2.4	8	120	1200
G	3D	140-057-005	R325-SUS	9.8	1	30.4	3.1	15	60	1200

ROLLER CATCH C882



[Application Example]

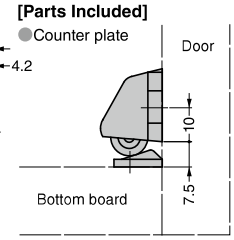




- The catch pulls the door in to ensure proper closing.

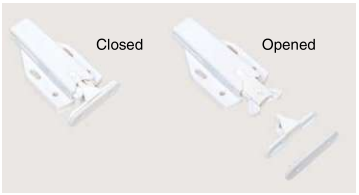
[Remarks]
- Please note the direction of counter plate.

[Parts Included]
- Counter plate

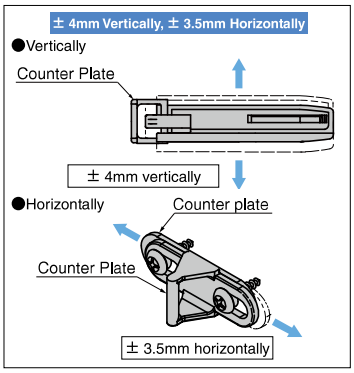


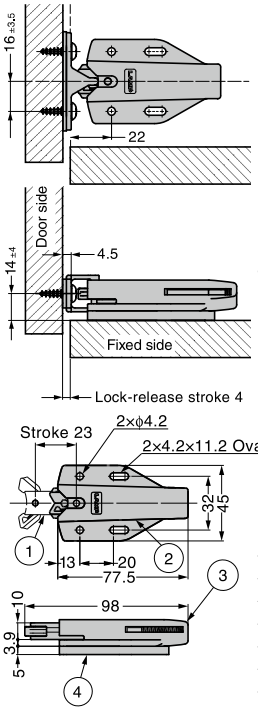
RoHS	CAD	Item Code	Item Name	Material	Colour	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-203	C882W	PE	White	5	150	1800
G	3D	140-050-204	C882BR		Brown	5	150	1800

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



[Adjustment]



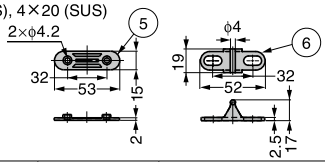


- Wider vertical adjustment range compared with MLC-100 1.
- Adjustment range of counter plate installation position: ±4mm vertically and ±3.5mm horizontally.
- Long stroke.
- No handle needed, just push to open/close.
- Non magnetic.
- Lightly push to open the door.When closing, arm will catch the counter plate and hold the door by lightly pushing, too.
- Installation with rivet is also possible.
- Similar item (vertical adjustment range: ±2mm): MLC-100 1.

[Specifications]
- Passed 100,000 open/close private cycle test

[Recommended Screws]
- M4 pan or truss head screw, No.4 rivet

[Parts Included]
- Truss head tapping screw 4×16 (SUS), 4×20 (SUS)



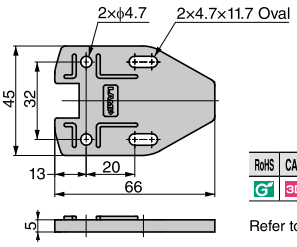
No.	Part Name	Material	Finish/Colour
①	Body 1	Reinforced Nylon	White
②	Body 2	PBT	
③	Spring	Steel	Coloured Zinc Chromate (Trivalent)
④	Spacer	POM	White
⑤	Counter Plate	PBT	
⑥	Counter Plate	POM	

RoHS	CAD	Item Code	Item Name	Colour	Retaining Force N	Retaining Force kgf	Push Force N	Push Force kgf	Weight (g)
G	3D	140-036-531	MLC-100DS-WT	White	90	9.2	14	1.4	51

Refer to 1 : P.474

SPACER MLC-100-DP5-WT





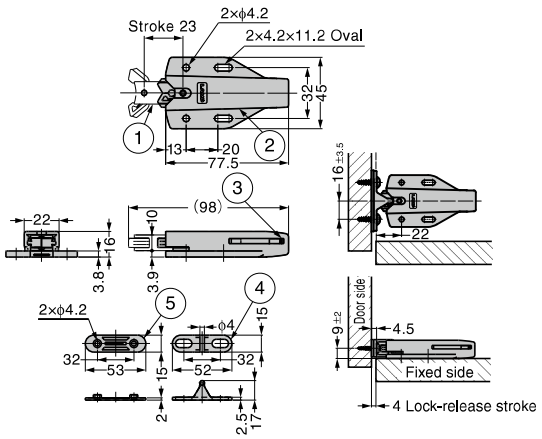
- Spacer for MLC-100 1, MLC-100DS-WT 2.
  Can adjust counter plate installation position +5mm.
- One spacer is included in MLC-100DS-WT.

RoHS	CAD	Item Code	Item Name	Material	Colour	Weight (g)
G	3D	140-035-318	MLC-100-DP5-WT	POM	White	16

Refer to 1 : P.474, 2 : P.473

NON-MAGNETIC TOUCH LATCH MLC-100





- 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.
- Wide adjustment range: ±2mm vertically and ±3.5mm horizontally.
- Installation with rivet is also possible.
- Similar item (heat resistance, stroke 40mm): MLC-HT130BL 1.

[Specifications]
- Passed 100,000 open/close private cycle test

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

[Recommended Screws]
- M4 pan or truss head screw, No.4 rivet

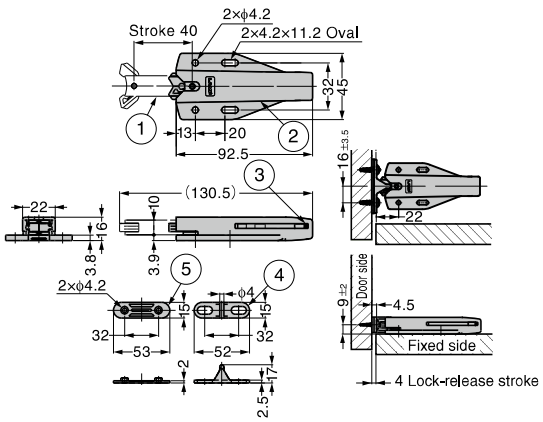
No.	Part Name	Material	Finish / Colour
①	Body 1	Reinforced Nylon	White
②	Body 2	Reinforced PBT	Black
③	Spring	Steel	Coloured Zinc Chromate (Trivalent)
④	Counter Plate	POM	White
⑤	Counter Plate	PBT	Black

RoHS	CAD	Item Code	Item Name	Colour	Retaining Force N	Retaining Force kgf	Push Force N	Push Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-028-540	MLC-100WT	White	90	9.2	14	1.4	32	20	240
G	3D	140-033-090	MLC-100BL	Black						20	240

Refer to 1 : P.474

NON-MAGNETIC TOUCH LATCH MLC-HT130BL





- Heat-resistance (up to 120°C) and 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.
- Wide adjustment range: ±2mm vertically and ±3.5mm horizontally.
- Installation with rivet is also possible.
- Similar item (non-heat resistance, stroke 23mm): MLC-100WT 1.

[Specifications]
- Passed 100,000 open/close private cycle test

[Remarks]
- Retaining force may decrease at high temperature.The retaining force at 120° C is about 29.4N (3kgf), which may vary depending on the environment and conditions.

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

[Recommended Screws]
- M4 pan or truss head screw, No.4 rivet

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

RoHS	CAD	Item Code	Item Name	Retaining Force N	Retaining Force kgf	Push Force N	Push Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-028-539	MLC-HT130BL	117.6	12	16.7	1.7	40	20	240

Refer to 1 : P.474

NON-MAGNETIC TOUCH LATCH MC-37F

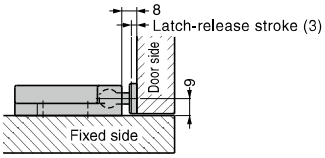


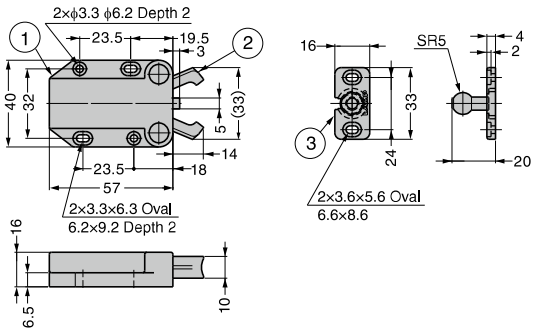
- No handle needed, just push to open/close.
- Lightly push to open the door. When closing, arm will catch the counter plate and hold the door by lightly pushing, too.
- Floating counter plate for easy alignment.

[Specifications]
- Passed 100,000 open/close private cycle test

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

[Installation]





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

RoHS	CAD	Item Code	Item Name	Colour	Retaining Force N	Retaining Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-058-064	MC-37F-BK	Black	78	8	24	30	300
G	3D	140-058-066	MC-37F-BR	Brown				30	300
G	3D	140-058-065	MC-37F-WH	White				30	300

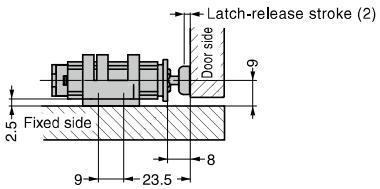
NON-MAGNETIC TOUCH LATCH MC-20

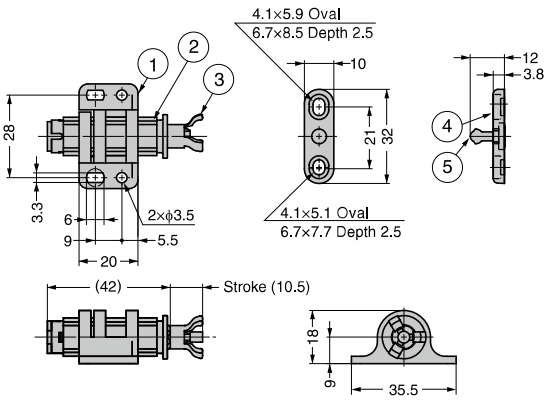


- No handle needed, just push to open/close.
- Easy adjustment (13mm back and forward) by revolving the body.
- Lightly push to open the door. When closing, arm will catch the counter plate and hold the door by lightly pushing, too.

[Parts Included]
- Round head wood screw 3.1×13

[Installation]





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

RoHS	CAD	Item Code	Item Name	Colour	Retaining Force N	Retaining Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-022-344	MC-20BL	Black	40	4	6	30	600
G	3D	140-022-345	MC-20WT	White				30	600

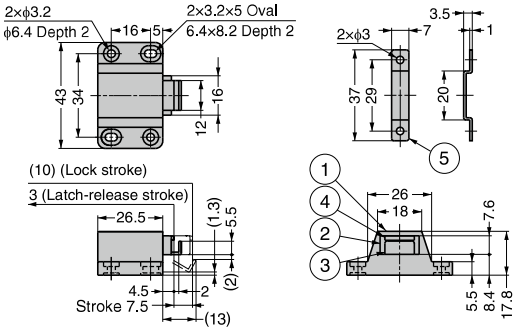
NON-MAGNETIC TOUCH LATCH PR-21P



- No handle needed, just push to open/close.
- Lightly push to open the door. When closing, arm will catch the counter plate and hold the door by lightly pushing, too.

[Parts Included]

- Counter plate



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

RoHS	CAD	Item Code	Item Name	Colour	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-277	PR-21PK	Black	16.3	100	800
G	3D	140-050-272	PR-21PD	Brown		100	800

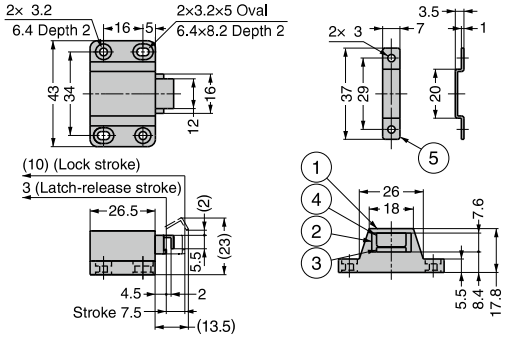
NON-MAGNETIC TOUCH LATCH PR-20P



- No handle needed, just push to open/close.
- Lightly push to open the door. When closing, arm will catch the counter plate and hold the door by lightly pushing, too.

[Parts Included]

- Counter plate



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

RoHS	CAD	Item Code	Item Name	Colour	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-276	PR-20PK	Black	16.3	100	800
G	3D	140-050-274	PR-20PD	Brown		100	800

NON-MAGNETIC TOUCH LATCH MC-28



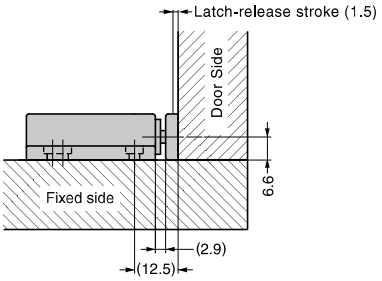
- No handle needed, just push to open/close.
- Lightly push to open the door. When closing, arm will catch the counter plate and hold the door by lightly pushing, too.

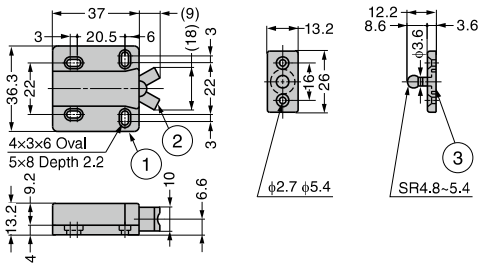
[Specifications]
- Passed 30,000 open/close private cycle test

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

[Parts Included]
- Pan head wood screw 2.7×13
- Countersunk head wood screw 2.4×10

[Application Example]





No.	Part Name	Material	Colour
①	Body	ABS	Black
②	Arm	POM	
③	Counter Plate	PA	

RoHS	CAD	Item Code	Item Name	Retaining Force N	Retaining Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
GT	3D	140-059-203	MC-28	29	3	15	50	500

NON-MAGNETIC TOUCH LATCH ESN-195/BLK Snap-in Installation

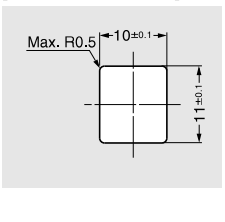


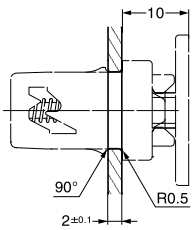
- Compact design with strong retaining force.
- Snap-in type body.
- No handle needed, just push to open/close.
- Lightly push to open the door.When closing, arm will catch the counter plate (sold separately) and hold the door by lightly pushing, too.

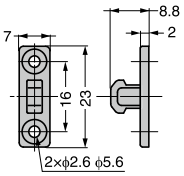
[Sold Separately]
- Counter plate ESN-195-ST

[Recommended Screws]
For counter plate (sold separately)
- Countersunk head screw M2.5
- Countersunk head wood screw nominal 2.4

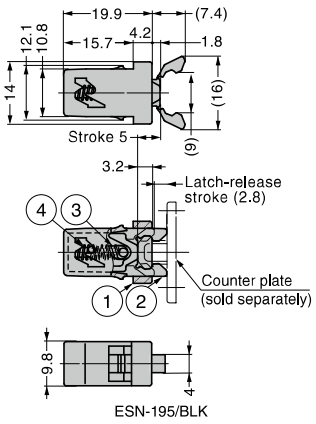
[Cut Out Dimensions]







ESN-195-ST (sold separately)



ESN-195/BLK

[Body]

RoHS	CAD	Item Code	Item Name	Retaining Force N	Retaining Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
GT	3D	140-059-195	ESN-195/BLK	34	3.5	2.3	1000	5000

[Counter Plate] Sold Seperately

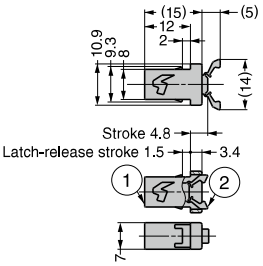
RoHS	CAD	Item Code	Item Name	Material	Colour	Weight (g)	Box (pcs)	Carton (pcs)
GT	3D	140-014-075	ESN-195-ST	POM	Black	1	1000	4000

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

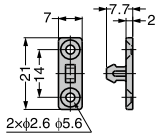
NON-MAGNETIC MINI TOUCH LATCH PR4PK-B Snap-in Installation



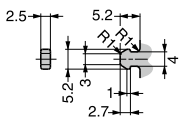
- Snap-in type (body, counter plate for snap-in).
- No handle needed, just push to open/close.
- Lightly push to open the door. When closing, arm will catch the counter plate (sold separately) and hold the door by lightly pushing, too.



PR4PK-B

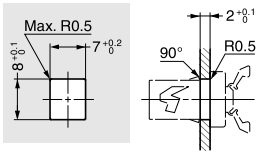


PR4PK-1
(Counter plate for screw mount)
Sold separately

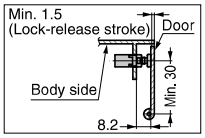


Counter plate head details

[Cut Out Dimensions for Body]



[Combination with Counter Plate for Screw Mount]



[Body]

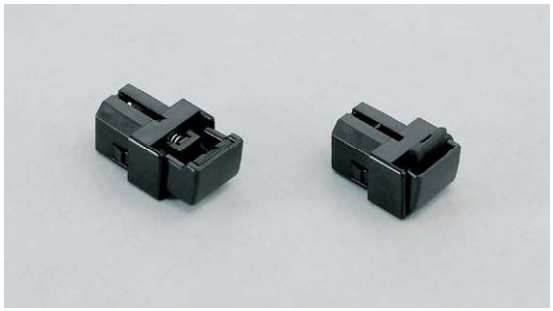
RoHS	CAD	Item Code	Item Name	Retaining Force N	Retaining Force kgf	Door Thickness	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-118	PR4PK-B	12	1.2	2	0.7	1000	10000

[Counter Plate] Sold Seperately

RoHS	CAD	Item Code	Item Name	Product Name	Material	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-059-019	PR4PK-1	Counter Plate for Screw Mount	POM	0.4	–	1000

No.	Part Name	Material	Colour
①	Body	POM	Black
②	Arm	PA	

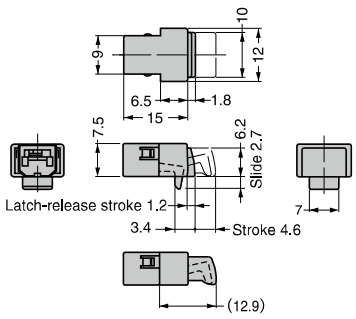
NON-MAGNETIC MINI TOUCH LATCH NS2 Snap-in Installation



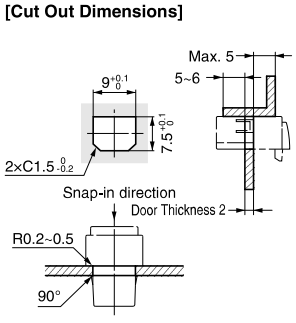
- Miniature design is ideal for small door applications.
- Latch is less likely to be damaged even if forcibly removing the door when locked.
- Snap-in type.
- No handle needed, just push to open/close.
- Lightly push to open the door. When closing, arm will catch the counter plate and hold the door by lightly pushing, too.

[Remarks]

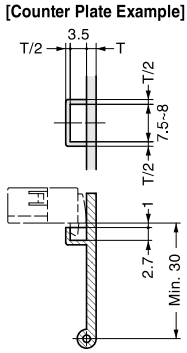
- Counter plate not included. Please prepare the counter plate , for example by forming on the door side.



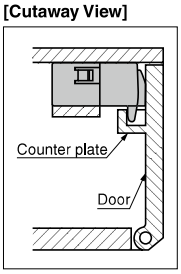
[Cut Out Dimensions]



[Counter Plate Example]



[Cutaway View]



RoHS	CAD	Item Code	Item Name	Material	Colour	Door Thickness	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-059-098	NS2	Polycarbonate	Black	2	1.1	500	–

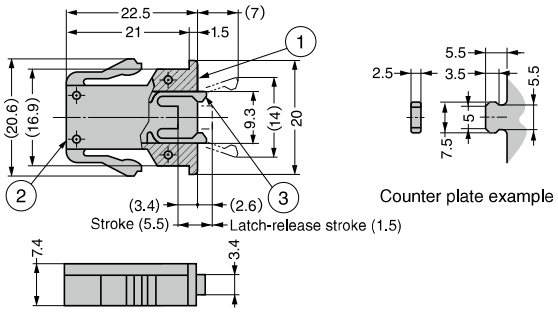
NON-MAGNETIC TOUCH LATCH PR3PK Snap-in Installation



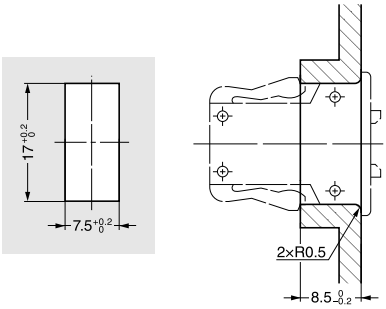
●No handle needed, just push to open/close.

[Remarks]

●Counter plate not included. Please prepare the counter plate, for example by forming on the door side.



[Cut Out Dimensions]



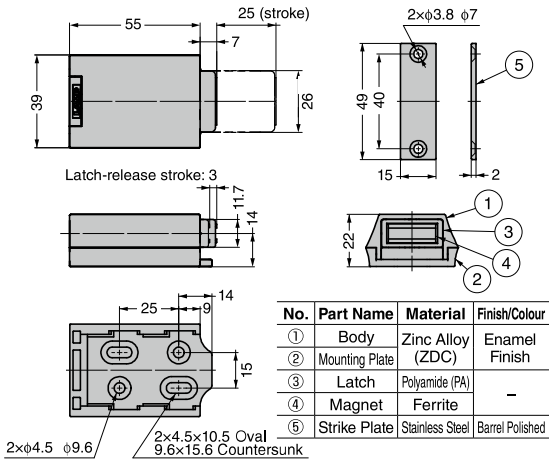
No.	Part Name	Material	Colour
①	Body	ABS	Black
②	Base		Clear
③	Arm	POM	Black

RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-239	PR3PK	2.5	400	3200

METAL MAGNETIC TOUCH LATCH ML-ZN80

Passed 100,000 open/close private cycle test





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

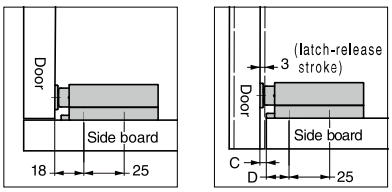
- The body is made of metal for high durability.
- Designed for use on large doors due to its strong push force.
- The plastic part is flame resistant and compliant with the UL94V-0 standard.
- The magnet part has an allowance of 1.5° on each side to catch the strike plate correctly.
  This helps the 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.

[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

[Installation]
- Inset Doors
- Overlay Doors



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.

Video Link

[Dimension]

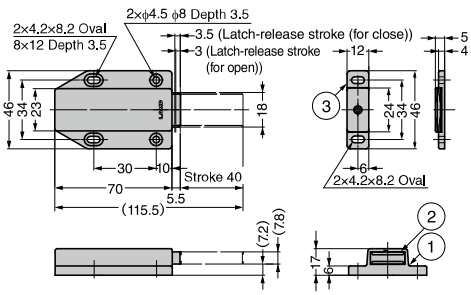
C (mm)	D (mm)
3	15
4	14

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

MAGNETIC TOUCH LATCH ML-120

Passed 50,000 open/close private cycle test



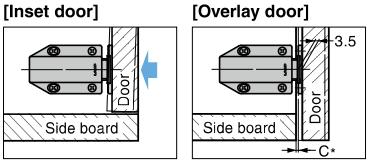


- Large stroke. Can also be used for heavy doors or large doors (tested with W600×H1800×t30 door).
- Lightly push to open the door.
- When closing, magnet will catch the door by lightly pushing.
- Counter plate is movable.

[Remarks]
- Be sure to read the “Cautions” 1.
- Please use hinges without catch. (Or hinges with catch may cause malfunction).
- Do not use as a door stopper.Excessive force may cause damage.
- Pay attention to not pinching fingers when using with a small door.

[Parts Included]
- Counter plate
- Countersunk head tapping screw 4×16

[Inset door] **[Overlay door]**



* without including thickness of mounting plate.

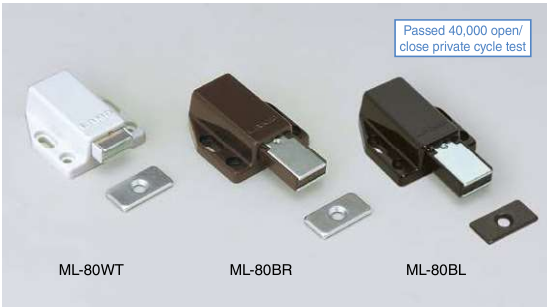
To ensure a push-in allowance of 3.5mm or above in the latch part as shown, please leave a clearance C between door and side board. (Sponge rubber, PVC packing may be used in the gap for good appearance and dust removal).

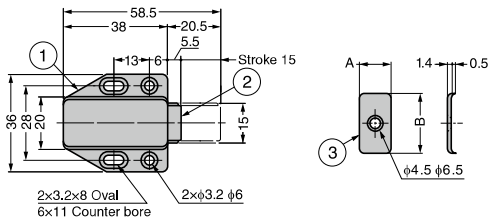
RoHS	CAD	Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-338	ML-120BR	Brown	23.5	2.4	53	20	240
G	3D	140-050-337	ML-120WT	White				20	240
G	3D	140-047-124	ML-120BL	Black				20	240

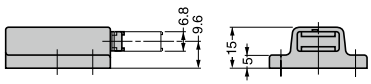
No.	Part Name	Material	Finish / Colour
①	Body	ABS	Brown, White, Black
②	Yoke	Steel (SPCC)	Coloured Zinc Chromate (trivalent)
③	Counter Plate	ABS/Steel (SPCC)	-Brown/white: Coloured Zinc Chromate (trivalent) -Black: Copper Plating

Refer to 1 : P.431

MAGNETIC TOUCH LATCH ML-80





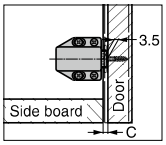


- Lightly push to open the door.
- When closing, magnet will catch the door by lightly pushing.
- For overlay doors, make a 3.5mm gap between door and cabinet frame.

[Remarks]
- Be sure to read the “Cautions” 1.
- For large doors, please use the ML-120 2 or ML-ZN80 3 instead.
- Please use hinges without catch.

[Parts Included]
- Counter plate
- Round head wood screw 3.1×13 (4 pcs)
- Countersunk head wood screw 2.7×13 (1 pc)

[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.

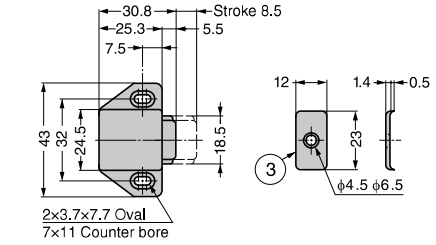
No.	Part Name	Material	Finish / Colour
①	Body	ABS	Brown, White,Black
②	Yoke	Steel (SPCC)	Coloured Zinc Chromate (trivalent)
③	Counter Plate		-Brown/white: Coloured Zinc Chromate(trivalent) -Black: Copper Plating

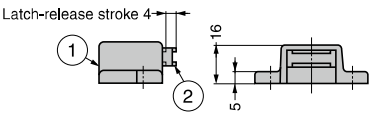
RoHS	CAD	Item Code	Item Name	Colour	A	B	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-270	ML-80BR	Brown	12	23	15.7	1.6	22	20	400
G	3D	140-050-271	ML-80WT	White						20	400
–	–	140-050-013	ML-80BL	Black	11.5	22.5				20	400

Refer to 1 : P.431, 2 3 : P.480

MAGNETIC TOUCH LATCH ML-30S







- Lightly push to open the door.
- When closing, magnet will catch the door by lightly pushing.

[Remarks]
- Be sure to read the “Cautions” 1.
- For large doors, please use the ML-120 2 or ML-ZN80 3 instead.
- Please use hinges without catch.

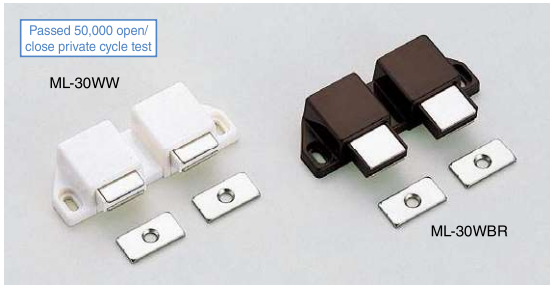
[Parts Included]
- Counter plate
- Round head wood screw 3.1×13 (2 pcs)
- Countersunk head wood screw 3.1×13 (1 pc)

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

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

Refer to 1 : P.431, 2 3 : P.480

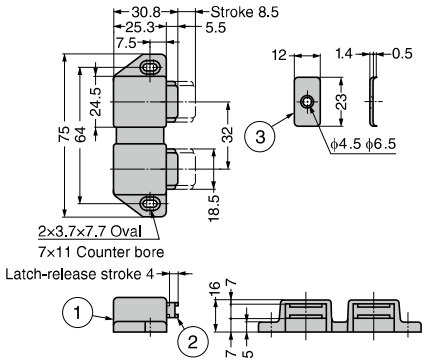
MAGNETIC TOUCH LATCH ML-30W



- Lightly push to open the door.
- When closing, magnet will catch the door by lightly pushing.

[Remarks]
- Be sure to read the "Cautions" 1.
- For large doors, please use the ML-120 2 or ML-ZN80 3 instead.
- Please use hinges without catch.

[Parts Included]
- Counter plate
- Round head wood screw 3.1×13 (2 pcs)
- Countersunk head wood screw 3.1×13 (2 pc)



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

RoHS	CAD	Item Code	Item Name	Colour	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-056	ML-30WW	White	11.8	1.2	42	30	450
G	3D	140-050-057	ML-30WBR	Brown				30	450

Refer to 1 : P.431, 2 3 : P.480

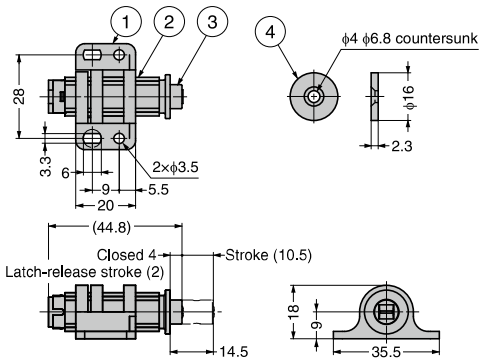
MAGNETIC TOUCH LATCH MC-25



- Lightly push to open the door.
- Easy adjustment (13mm back and forward) by revolving the body.
- When closing, magnet will catch the door by lightly pushing.

[Remarks]
- Be sure to read the "Cautions" 1.
- Do not use for large doors.
- Please use hinges without catch.

[Parts Included]
- Counter plate
- Round head wood screw 3.1×13 (4 pcs)
- Countersunk head wood screw 3.1×13 (1 pc)



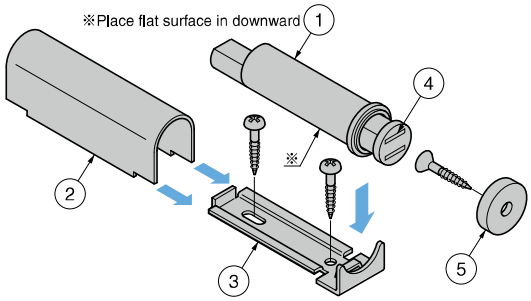
No.	Part Name	Material	Finish / Colour
①	Base	PP	Black, White
②	Body		
③	Latch		
④	Counter Plate	Steel (SUM)	Nickel

RoHS	CAD	Item Code	Item Name	Colour	Retaining Force (Magnetic Force) N	Retaining Force (Magnetic Force) kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-022-347	MC-25BL	Black	4.9	0.5	10	30	600
G	3D	140-022-346	MC-25WT	White				30	600

Refer to 1 : P.431

MAGNETIC TOUCH LATCH MC-S60

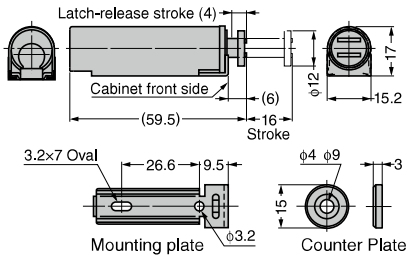




- Can be used for overlay and inset door.
- Stylish design with stainless steel cover.

[Remarks]
- Be sure to read the "Cautions" 1.
- For small doors.Do not use for large doors.
- Please use hinges without catch.

[Parts Included]
- Counter plate W12 2
- Pan head wood screw 3.1×13, Countersunk head wood screw 3.8×16



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

RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-129	MC-S60	10.8	1.1	28.5	30	600

Refer to 1 : P.431, 2 : P.464

MAGNETIC TOUCH LATCH (MORTISE TYPE) MC-U60

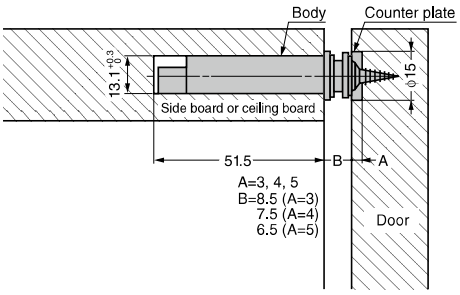


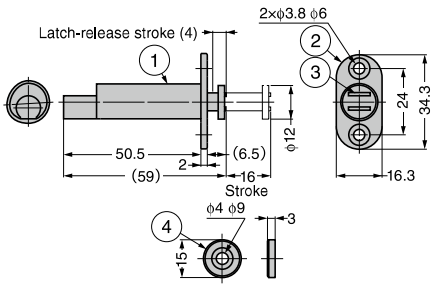
- For overlay doors: Can be embedded in the edge of side board, etc.

[Remarks]
- Be sure to read the "Cautions" 1.
- Please provide a ϕ15 counterbore of 3~5mm deep at the door for installing the counter plate (for the relation between counterbore depth A and door clearance B, see "Cut Out Dimensions" in the lower left).
- For small overlay door.Do not use for large doors.
- Please use hinges without catch.

[Parts Included]
- Counter plate W12 2
- Pan head wood screw 2.9×13, Countersunk head wood screw 3.8×16

[Cut Out Dimensions]





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

RoHS	CAD	Item Code	Item Name	Magnetic Force N	Magnetic Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-016	MC-U60	10.8	1.1	19	30	600

Refer to 1 : P.431, 2 : P.464

PUSH KNOB LATCH TLP-S

TEST METHOD 11 L=R INSTRUCTION





- Knob is stored flush when pushed in and not in use.
- Knob pops out when pressed to open the door.
- Latch securely locks the door with dead bolt.
- Flexible to suit door thickness (19~30mm) by adjusting screw.
- Can be used for overlay and inset door.
- Rounded push knob and base are also available.

[Specifications]

- Applicable door thickness: 19~30mm

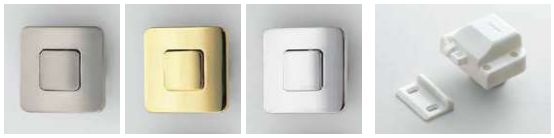
[Remarks]

- Please order Push Knob・Base and Latch Body・Counter plate for complete set.
- The spring loaded latch and the dead bolt are reversed up and down when using for right and left installation.
- Door stopper is required when installing to inset door.

[Parts Included]

- Door thickness adjustment screw: M4×24, M4×30 (attached to ①②)
- Latch body mounting screw: Pan-head tapping screw 3×20 (SUS, attached to ③④)
- Counter plate mounting screw: Pan-head tapping screw 3×16 (SUS, attached to ③④)

[Push Knob and Base]

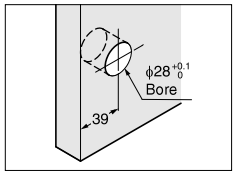


TLP-S-BB-WB TLP-S-BB-G TLP-S-BB-CR

[Latch Body and Counter Plate]

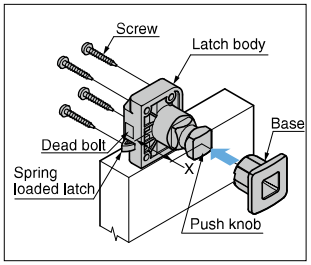
Brown is also available as special order.

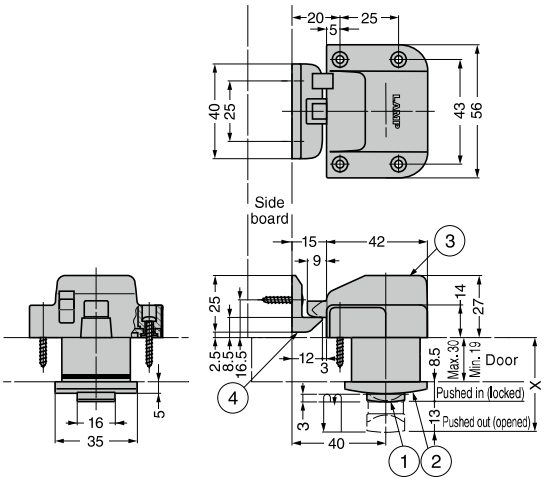
[Bore Dimensions (Door)]



Dimension above is for inset door. Refer to the right figure for overlay door.

[Parts Structure]





[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

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

No.	Part Name	Material	Finish / Colour
①	Push knob	Brass	White Bronze Plating, Gold, Chrome
②	Base	Zinc Alloy (ZDC)	
③	Latch Body	PA	White
④	Counter Plate		

[Push Knob① · Base②]

RoHS	CAD	Item Code	Item Name	Finish	Weight (g)	Box (pcs)	Carton (pcs)
–	3D	140-014-264	TLP-S-BB-WB	Satin Nickel	84	30	150
–	3D	140-014-265	TLP-S-BB-G	Gold	84	30	180
G	3D	140-012-390	TLP-S-BB-CR	Chrome	84	30	150

[Latch Body③ · Counter Plate④] Supplied with Installation Instruction

RoHS	CAD	Item Code	Item Name	Retaining Force N	Retaining Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-060-934	TLP-LBMW	196	20	47	10	100

PUSH KNOB LATCH DPL-RO

TEST METHOD 11 | L=R | INSTRUCTION



- Safe and smart design: Door will be locked when knob is pushed in.
- Door is locked when closing the door and push in the knob. Push the knob again to unlock the door.
- Can be used for overlay and inset door.
- Door stopper is not needed.
- Latch and knob are sold as a set.

[Specifications]
- Applicable door thickness: 15~25mm

[Remarks]
- Be sure to close the door and then push the knob. Closing the door after pushing the knob may cause damage.

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

[Push Knob and Surface Ring]

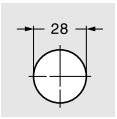


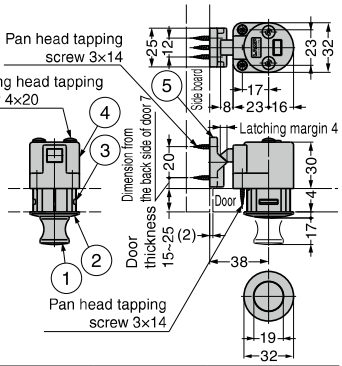
DPL-RO-G DPL-RO-CR

[Latch Body and Counter Plate]



[Cut Out Dimensions]





No.	Part Name	Material	Finish / Colour
①	Knob	Zinc Alloy (ZDC)	Gold (Paint/Clear), Chrome
②	Surface Ring		
③	Case Body	ABS	Black
④	Latch Body		
⑤	Counter Plate		

RoHS	CAD	Item Code	Item Name	Finish	Retaining Force N	Retaining Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-014-739	☆DPL-RO-G	Gold (Paint/Clear)	98	10	72	10	80
G	3D	140-014-740	DPL-RO-CR	Chrome				10	80

☆ Limited stock available. The hole shape of the Counter Plate changes to a long hole.

PUSH KNOB LATCH DPL-OV

TEST METHOD 11 | L=R | INSTRUCTION



- Safe and smart design: Door will be locked when knob is pushed in.
- Door is locked when closing the door and push in the knob. Push the knob again to unlock the door.
- Can be used for overlay and inset door.
- Door stopper is not needed.
- Latch and knob are sold as a set.

[Specifications]
- Applicable door thickness: 15~25mm

[Remarks]
- Be sure to close the door and then push the knob.Closing the door after pushing the knob may cause damage.

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

[Push Knob and Surface Ring]

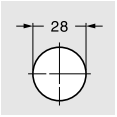


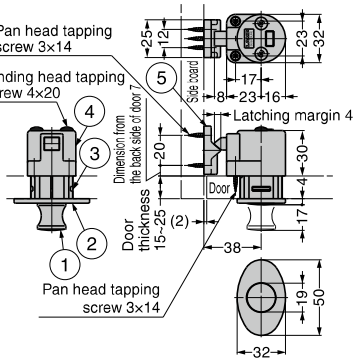
DPL-OV-G DPL-OV-CR

[Latch Body and Counter Plate]



[Cut Out Dimensions]





No.	Part Name	Material	Finish / Colour
①	Knob	Zinc Alloy (ZDC)	Gold (Paint/Clear), Chrome
②	Surface Ring		
③	Case Body	ABS	Black
④	Latch Body		
⑤	Counter Plate		

RoHS	CAD	Item Code	Item Name	Finish	Retaining Force N	Retaining Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-014-734	☆DPL-OV-G	Gold (Paint/Clear)	98	10	83	10	80
G	3D	140-014-735	DPL-OV-CR	Chrome				10	80

☆ Limited stock available. The hole shape of the Counter Plate changes to a long hole.

PUSH KNOB LATCH DPL-SQ

TEST METHOD 11 | L=R | INSTRUCTION



- Safe and smart design: door will be locked when knob is pushed in.
- Door is locked when closing the door and push in the knob. Push the knob again to unlock the door.
- Can be used for overlay and inset door.
- Door stopper is not needed.
- Latch and knob are sold as a set.

[Specifications]
- Applicable door thickness: 15~25mm

[Remarks]
- Be sure to close the door and then push the knob.Closing the door after pushing the knob may cause damage.

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

[Push Knob and Surface Ring]

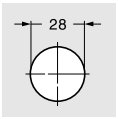


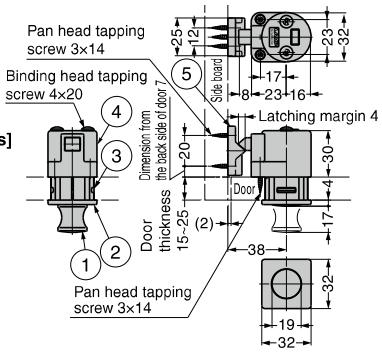
DPL-SQ-G DPL-SQ-CR DPL-SQ-SN

[Latch Body and Counter Plate]



[Cut Out Dimensions]





No.	Part Name	Material	Finish / Colour
①	Knob	Zinc Alloy (ZDC)	Gold (Paint/Clear), Chrome
②	Surface Ring		
③	Case Body	ABS	Black
④	Latch Body		
⑤	Counter Plate		

RoHS	CAD	Item Code	Item Name	Finish	Retaining Force N	Retaining Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-014-737	☆DPL-SQ-G	Gold (Paint/Clear)	98	10	78	10	80
G	3D	140-014-738	DPL-SQ-CR	Chrome				10	80
G	3D	140-014-736	DPL-SQ-SN	Satin Nickel				10	80

☆ Limited stock available. The hole shape of the Counter Plate changes to a long hole.

Latch with Lever Digest

FLUSH SLAM LATCH LC-48 1



SNAP LOCK SX-48

Snap-in Installation & Temporary Holding 2



PANEL LATCH LC-PK32, LC-PL32

Snap-in Installation 3



LC-PK32-L-BL LC-PL32-GR



LC-PL32-L-GR
(Sold separately)



LC-PK32-K
(Sold separately)

Refer to 1 : P.696, 2 : P.697, 3 : P.698

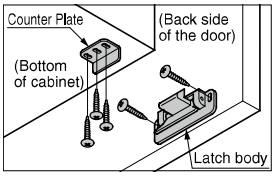
STAINLESS STEEL LEVER LATCH LL-66S

INSTRUCTION SUS316



- Corrosion resistance: Made of 316 stainless steel.
- Used for overlay doors beyond the lower side of cabinet bottom.
- Latch designed to be used on a door without knobs and handles.
- Door will not open even with shake such as an earthquake.
- Can be installed to a door with gasket.
- Installation position can be adjusted. (body: vertical ±1.5mm, counter plate: horizontal ±1.5mm)

[Cut Out Dimensions]



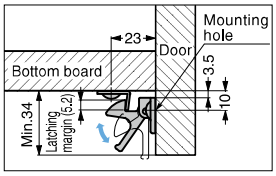
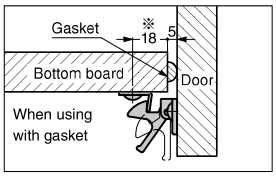
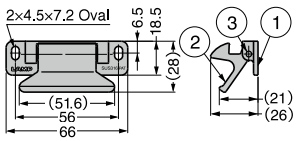
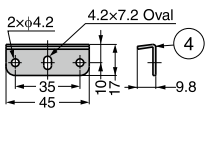


Figure on the right is for the case where the clearance between the bottom board and door is 5mm.
※marked dimension is 23− (clearance between bottom board and door).







[Applications]
- Marine related furniture and equipment etc.

[Remarks]
- Ensure that the latching margin of body and counter plate is 5.2mm.
- Do not store heavy objects in cabnet since excessive impact may get the door opened.

[Parts Included]
- Truss head tapping screw 4×12 (SUS)

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

※SCS14 is equivalent to SUS316.

RoHS	CAD	Item Code	Item Name	Retaining Force N	Retaining Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-051-030	LL-66S	196	20	85	20	100

LEVER LATCH LL-66

TEST METHOD 11 INSTRUCTION



- Used for overlay doors beyond the lower side of cabinet bottom.
- Latch designed to be used on a door without knobs and handles.
- Door will not open even with shake such as an earthquake.
- Can be installed to a door with gasket.
- Installation position can be adjusted. (body: vertical ±1.5mm, counter plate: horizontal ±1.5mm)
- Choose flame retardant type LL-66GR (UL94V-0 grade) for use near a fire, for example, around a cooker in kitchen.
  ※Flame retardant type is grey only.

[Cut Out Dimensions]

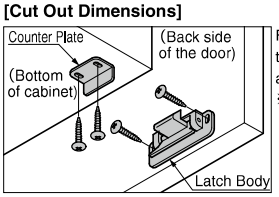
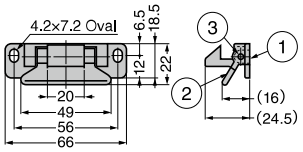
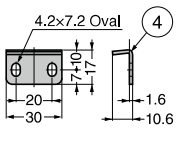


Figure on the right is for the case where the clearance between the bottom board and door is 5mm.
※marked dimension is 24− (clearance between bottom board and door).





[Remarks]
- It may not operate properly in case of door warp or sagging due to long-term use. In this case, please adjust the fitting state of the door or the installation position of the product.
- Ensure that the latching margin of body and counter plate is 6.5mm.
- Do not store heavy objects in cabinet since excessive impact may get the door opened.

[Parts Included]
- Truss head tapping screw 4×12

No.	Part Name	Material	Finish / Colour
①	Latch Body	Chrome:PC/ABS	White, Brown, Grey,
②	Lever	Others: PA	Chrome, Black
–	Spring	Stainless Steel (SUS304)	–
③	Shaft	Steel	Chrome: Clear Zinc Chromate Others: Coloured Zinc Chromate
④	Counter Plate	Steel (SPCC)	Nickel

RoHS	CAD	Item Code	Item Name	Type	Colour	Retaining Force N	Retaining Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-051-028	LL-66BR	–	Brown	196	20	25	30	300
G	3D	140-051-027	LL-66WT		White				30	300
G	3D	140-051-029	LL-66GR	Flame Retardant	Grey				30	300
G	3D	140-036-236	LL-66CR	–	Chrome			26	30	300
G	3D	140-047-143	LL-66BL		Black			25	30	300

SLIDING DOOR LATCH HC-30R Double-sided Thumb Type

L=R SUS

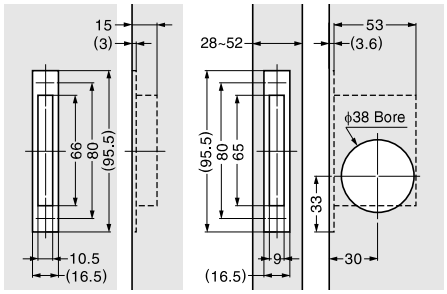


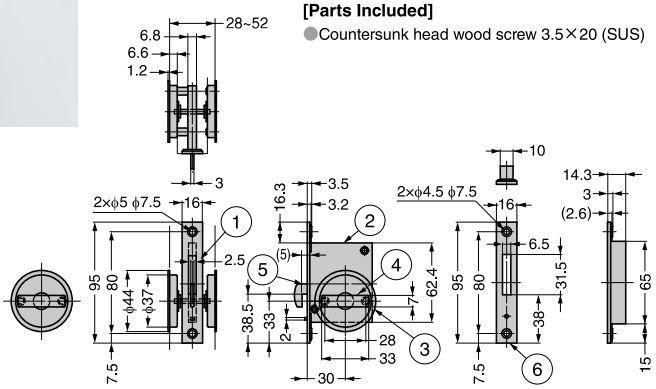
- Ideal for harsh and high corrosion environments.
- Can be latched from both side and prevents unexpected open/close.
- Easy installation, flat and compact design for various application.
- Type combining thumb and indicator and type with large lever on thumb in the same series also available.

[Remarks]
- The dimensions in the "Cut Out Dimensions" are for reference.Please check with actual item.

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

[Cut Out Dimensions]





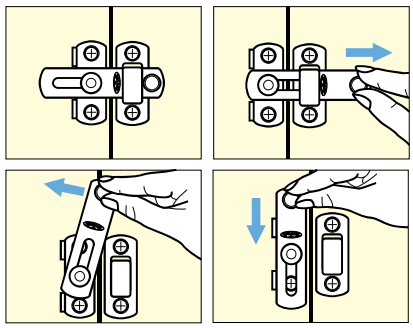
No.	Part Name	Material	Finish
①	Front Plate	Stainless Steel (SUS304)	Satin
②	Body	Steel (SECC)	(Zinc Chromate)
③	Body	Stainless Steel (SUS304)	Polished
④	Thumb	Zinc Alloy (ZDC)	Chrome
⑤	Dead Bolt	Stainless Steel (SUS304)	Barrel Polished
⑥	Counter Plate		Satin

RoHS	CAD	Item Code	Item Name	Door Thickness	Weight (g)	Box (pcs)	Carton (pcs)
–	3D	140-022-282	HC-30R	28~52	290	5	50

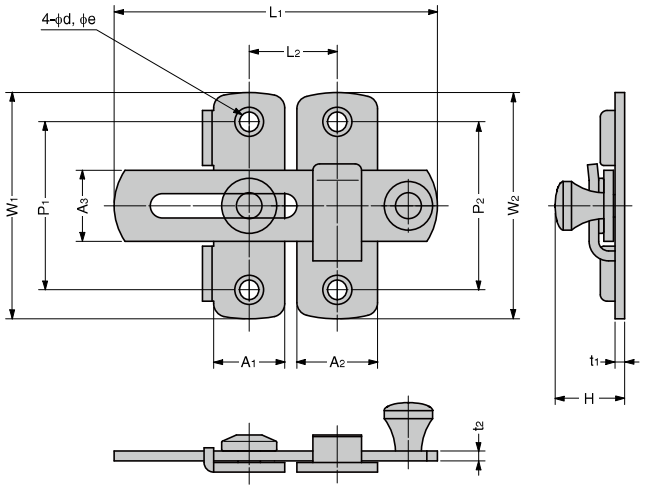
BAR LATCH SSL

NSF SUS





- Unique slide-in bar keeps latch locked.
- Slide out and lift the bar to release.

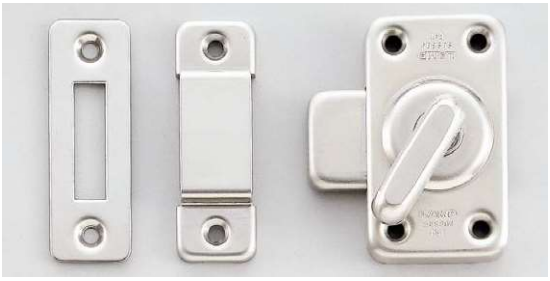


Material	Finish
Stainless Steel (SUS304)	Electro Polished

RoHS	CAD	Item Code	Item Name	L_1	L_2	W_1	W_2	A_1	A_2	A_3	P_1	P_2	H	t_1	t_2	d	e	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-059-179	SSL-50	50	20±4	35	35	13	15	13	26	26	14.5	2	5	4.2	6.2	32	10	150
G	3D	140-059-180	SSL-70	70	28±6	50	50	18	20	18	37	37	19	2	2.5	5.2	8	68	10	150
G	3D	140-059-176	SSL-100	100	45±15	70	70	22	25	22	52	52	21.5	3	3	5.8	9	142	5	80

LEVER BOLT HR35

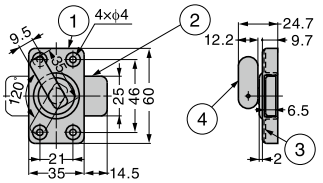
L=R SUS



- Turn the latch knob to open/close.
- Easy installation, flat and compact design for various application.
- Two different counter plates included for different mountings.

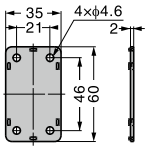
[Parts Included]
- Countersunk wood screw 3.5×20 (SUS)

[Sold Separately]
- Spacer HR35SP-B

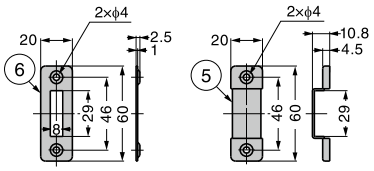


[Spacer] Sold Separately

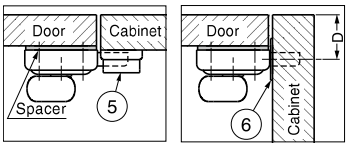




Spacer (Sold separately)



[Spacer Application Example]



Use when there is a level difference on the mounting surface of the main body and the counter plate (left figure) or increase of dimension D is required (right figure). (Overlap spacer as necessary).

No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Slide Plate		Plain
③	Back Plate		Satin
④	Lever Knob		
⑤	Counter Plate A		
⑥	Counter Plate B		

[Body]

RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-180-135	HR35	108	10	100

[Spacer] Sold Separately

RoHS	CAD	Item Code	Item Name	Material	Colour	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-180-002	HR35SP-B	PA	Black	5	250	2500

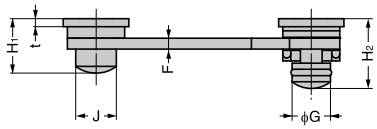
BAR LATCH BLT

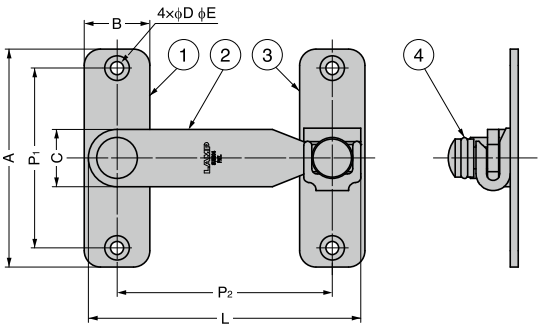
L=R SUS



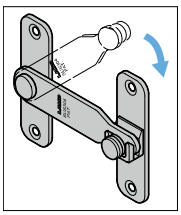
- Thick material used for durability.
- With thumb screw on bar to prevent accidental release.

[Parts Included]
- Countersunk head wood screw (SUS)





[Movement of Latch Bolt]



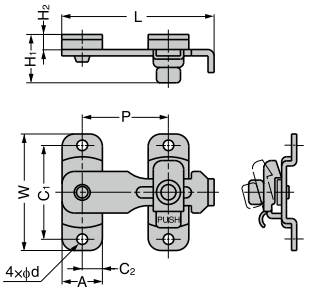
No.	Part Name	Material	Finish / Colour
①	Body	Stainless Steel (SUS304)	Polished
②	Latch Bolt		
③	Counter Plate		
④	O-ring	Nitrile Rubber (NBR)	Black

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

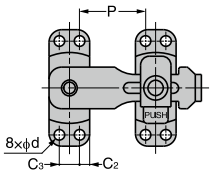
BAR LATCH BLL

NSF AS L=R SUS





BLL-45, 60, 80, 100



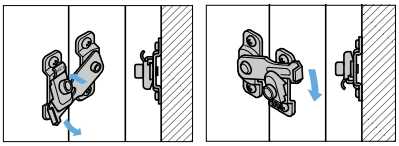
BLL-120, 150

- Latch bolt snaps into the strike to prevent accidental release.
- Push tab on strike to release.
- When installed reversely, latch bolt is easily released just by pushing the PUSH part (see “Application Example”).
- AS parts set for installing to aluminium frame also available. Content of the parts set is as follows.

[Parts Included]

- Pan head tapping screw (SUS)

[Application Example]



Reverse position　　Normal position

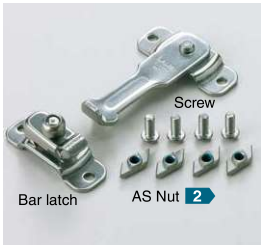
Can be used in either normal or reverse position.
When installed reversely, latch bolt is easily released just with a single push.

Material	Finish
Stainless Steel (SUS304)	Polished

RoHS	CAD	Item Code	Item Name	L	W	A	C_1	C_2	C_3	H_1	H_2	P	d	Weight (g)	Screw	Box (pcs)	Carton (pcs)
G	3D	140-059-073	BLL-45	48	40	13	32	6.5	–	17	4.5	23±3	3.2	28	3×10	20	400
G	3D	140-059-074	BLL-60	63	46	16	37	8		20	6	34±4	4.2	50	3.5×16	20	400
G	3D	140-059-075	BLL-80	85	65	20	53	10		22.5	7	47±7	5	100	4.5×16	10	200
G	3D	140-059-076	BLL-100	105	80	25	66	12.5		26.5	8	59±7	5.5	182	5×20	10	100
G	3D	140-059-183	BLL-120	127	100	28.5	80	6.75	15	28		56±10	5.2	270		8	80
G	3D	140-059-184	BLL-150	155	120	30.5	95	7.25	16			74±14		350		6	60

AS Parts Set for Installing to Aluminium Frame

Please refer to the series introduction page 1 for details about AS series.

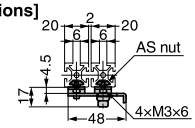


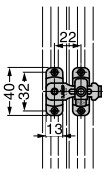


[AS Parts Set] Parts set of screws and AS nuts used for installing to aluminium frame

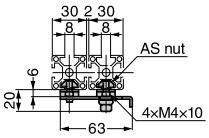
RoHS	CAD	Item Code	Item Name	Aluminium Frame	Parts	Weight (set)
G	–	140-041-521	AS-BLL-60-30-6	30×30 Groove Width 6 mm	Bar Latch BLL-60 : 1 pc AS Nut AS-6M4 : 4 pcs M4×10 Hexagon Socket Button Head Screw : 4 pcs	61
G	–	140-041-522	AS-BLL-60-30-8	30×30 Groove Width 8 mm	Bar Latch BLL-60 : 1 pc AS Nut AS-8M4 : 4 pcs M4×10 Hexagon Socket Button Head Screw : 4 pcs	85
G	–	140-041-523	AS-BLL-60-40-8-30-6	Frame: 40×40 Groove Width 8 mm Door: 30×30 Groove Width 6 mm	Bar Latch BLL-60 : 1 pc AS Nut AS-8M4 : 2 pcs M4×10 Hexagon Socket Button Head Screw : 2 pcs AS Nut AS-6M4 : 2 pcs M4×12 Hexagon Socket Button Head Screw : 2 pcs	66
G	–	140-041-524	AS-BLL-60-40-10-30-8	Frame: 40×40 Groove Width 10 mm Door: 30×30 Groove Width 8 mm	Bar Latch BLL-60 : 1 pc AS Nut AS-10M4 : 2 pcs M4×10 Hexagon Socket Button Head Screw : 2 pcs AS Nut AS-8M4 : 2 pcs M4×14 Hexagon Socket Button Head Screw : 2 pcs	76
G	–	140-041-525	AS-BLL-80-40-8	40×40 Groove Width 8 mm	Bar Latch BLL-80 : 1 pc AS Nut AS-8M4 : 4 pcs M4×12 Hexagon Socket Button Head Screw : 4 pcs	119
G	–	140-041-526	AS-BLL-80-40-10	40×40 Groove Width 10 mm	Bar Latch BLL-80 : 1 pc AS Nut AS-10M5 : 4 pcs M5×14 Hexagon Socket Button Head Screw : 4 pcs	131

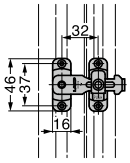
[Dimensions]



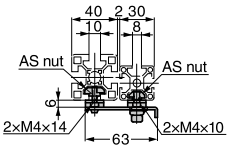


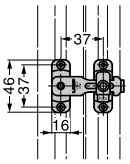
BLL-45



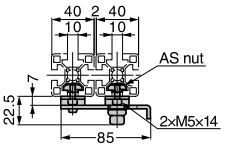


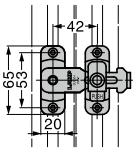
BLL-60





BLL-60





BLL-80

Refer to 1 : P.20, 2 : P.526

BAR LATCH BLL2 For 2-way Mounting

SUS



BLL2-80
Closed



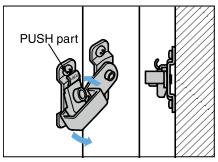
BLL2-80
Open

- 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).

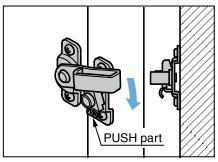
[Parts Included]

- Pan head tapping screw (stainless steel)

[Application Example]

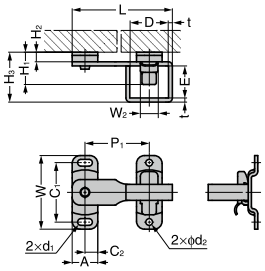


Reverse position

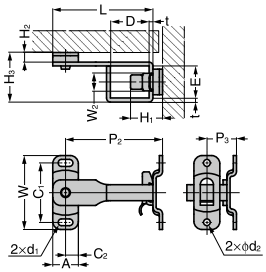


Normal position

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



Parallel Surface Mounting



Orthogonal Mounting

Material	Finish
Stainless Steel (SUS304)	Polished

RoHS	CAD	Item Code	Item Name	L	W	A	P_1	P_2	P_3	C_1	C_2	H_1	H_2	H_3	D	E	t	W_2	d_1	d_2	Screw
G	3D	140-049-994	BLL2-45	47	40	13	26.5	45	16.5	32	6.5	17	4.5	28.5	24	20	2.5	10	3.2×7.2	3.2	3×10
G	3D	140-049-995	BLL2-60	62.5	46	16	40	60.5	18.5	37	8	20	6	31			2	12	4.2×9.2	4.2	3.5×16
G	3D	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
G	3D	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

STAINLESS STEEL HASP HP

NSF L=R SUS



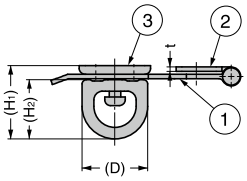
- Rotating pad eye stays fastened tight by four projections without a padlock.
- Installation position can be determined according to the holes on the surface.
- Can be used with padlock 1.
  Please check with actual item.

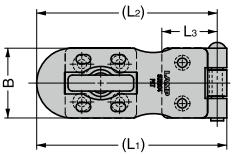
[Parts Included]

- Countersunk head wood screw (SUS)

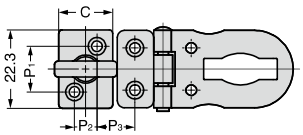
No.	Part Name	Material	Finish
①	Latch Bolt	Stainless Steel (SUS304)	Polished
②	Mounting Plate		
③	Counter Plate		

HP-65

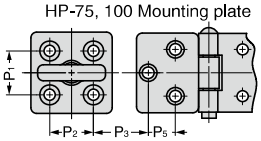




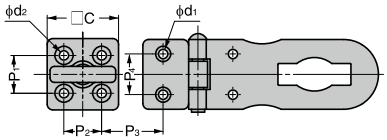
HP-40, 50 When opened



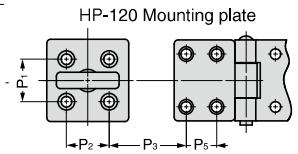
HP-75, 100 Mounting plate



When opened



HP-120 Mounting plate



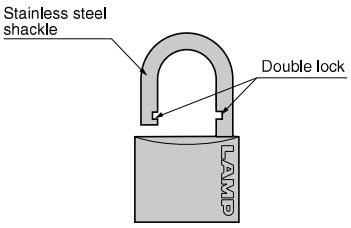
RoHS	CAD	Item Code	Item Name	L1	L2	L3	B	P1	P2	P3	P4	P5	H1	H2	C	D	t	d1	d2	Weight (g)	Screw	Box (pcs)	Carton (pcs)
G	3D	140-050-224	HP-40	40	37	13	22	13	6.4	10.8	12	–	22	17.9	15.3	17.7	1.2	2×ϕ3	2×ϕ3	21.5	2.4×13	30	300
G	3D	140-050-225	HP-50	50	47		22.3		9	16					18.3					24		25	250
G	3D	140-050-226	HP-65	65	62	19	24		13	21.5	14		24.5	20.4	24.5	22.5	1.5	2×ϕ3.2	4×ϕ3.2	41.5	2.7×16	20	200
G	3D	140-050-227	HP-75	75	72	24.8	27	15	15	15.7	16	9.5	27.4	22	27.8	23.2		3×ϕ3.8	4×ϕ3.8	51.5		15	150
G	3D	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	118.5	3.5×20	10	100
G	3D	140-050-229	HP-120	120	115	35.5	40	21	21	38	26	15	34.8		40.5		2.5	4×ϕ5.2	4×ϕ5.2	172		8	80

Refer to 1 : P.873

HIGH SECURITY PADLOCK PWL DIGEST



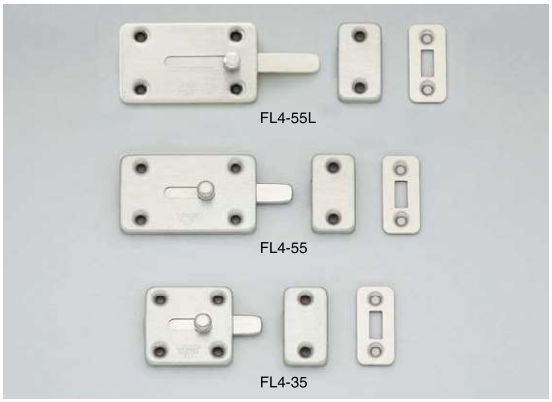
- Provides high security with stainless steel shackle and double lock. Besides, no key number marked in the body prevents illegal use.
- 110 key changes and Master Key system are available.
  Refer to LOCKS 1 for details.



Refer to 1 : P.873

SLIDE BOLT FL4

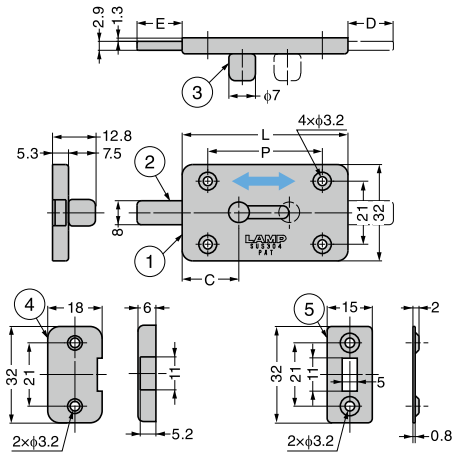
L=R SUS



- Slide the latch knob to lock/release.
- Easy installation, flat and compact design for various application.
- Two different counter plates included for different mountings.

[Parts Included]

- Countersunk head tapping screw 2.7×16 (SUS)

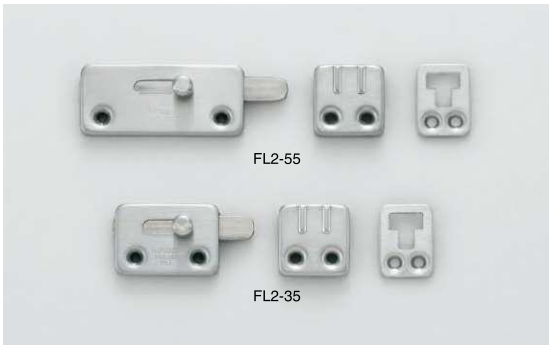


No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Bar		Barrel Polished
③	Knob	Stainless Steel (SUS303)	Satin
④	Counter Plate A	Stainless Steel (SUS304)	
⑤	Counter Plate B		

RoHS	CAD	Item Code	Item Name	L	P	C	D	E	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-180-863	FL4-35	35	23	11.5	12	12	32	30	300
G	3D	140-180-864	FL4-55	55	38	20	15	15	47	30	300
G	3D	140-012-131	FL4-55L				25			30	300

SLIDE BOLT FL2

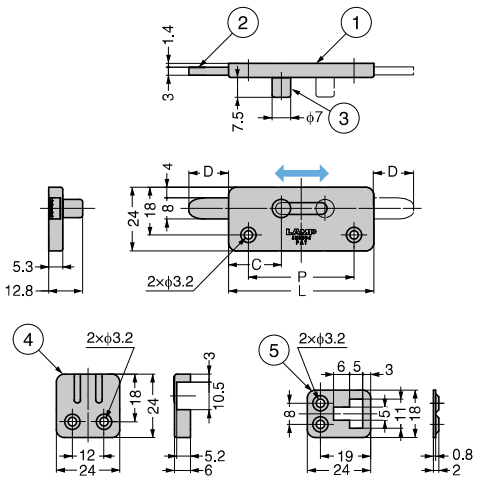
L=R SUS



- Slide the latch knob to lock/release.
- Easy installation, flat and compact design for various application.
- Two different counter plates included for different mountings.

[Parts Included]

- Countersunk head tapping screw 2.7×16 (SUS)

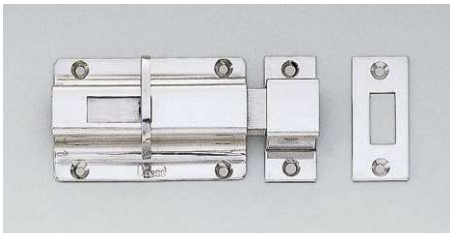


No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Bar		Barrel Polished
③	Knob	Stainless Steel (SUS303)	Satin
④	Counter Plate A	Stainless Steel (SUS304)	
⑤	Counter Plate B	Stainless Steel	

RoHS	CAD	Item Code	Item Name	L	P	C	D	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-180-136	FL2-35	35	21	11.5	12	28	30	300
G	3D	140-180-137	FL2-55	55	40	20	15	39	30	300

SLIDE BOLT KR75

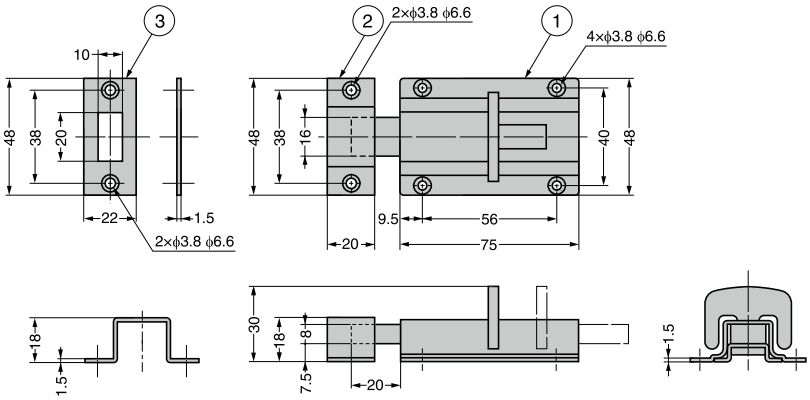
SUS



●Two different counter plates included for different mountings.

[Parts Included]

●Countersunk head wood screw 3.1×20 (SUS304)

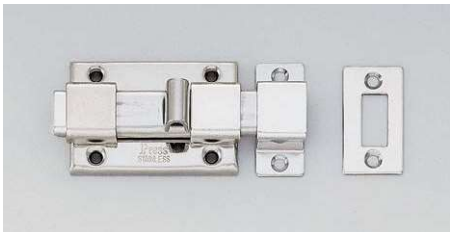


No.	Part Name	Material	Finish
①	Body	Stainless Steel	Satin
②	Counter Plate A		
③	Counter Plate B		

RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
GT	3D	140-059-042	KR75	225	10	100

SLIDE BOLT KR65

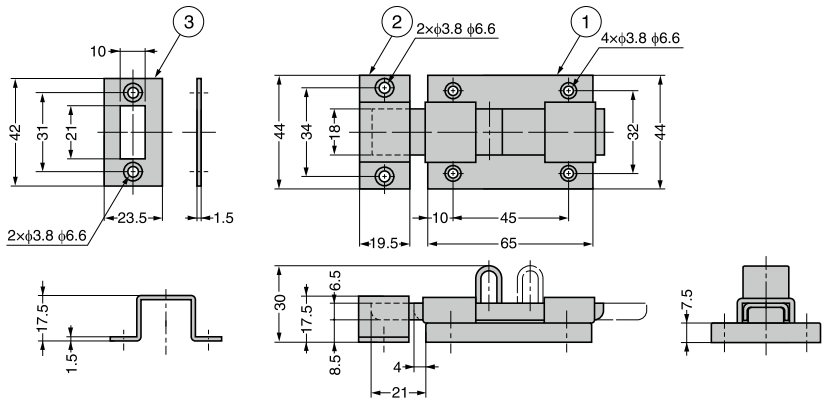
SUS



●Two different counter plates included for different mountings.

[Parts Included]

●Countersunk head wood screw 3.1×20 (SUS304)



No.	Part Name	Material	Finish
①	Body	Stainless Steel	Barrel Polished
②	Counter Plate A		
③	Counter Plate B		

RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
GT	3D	140-054-050	KR65	125	10	100

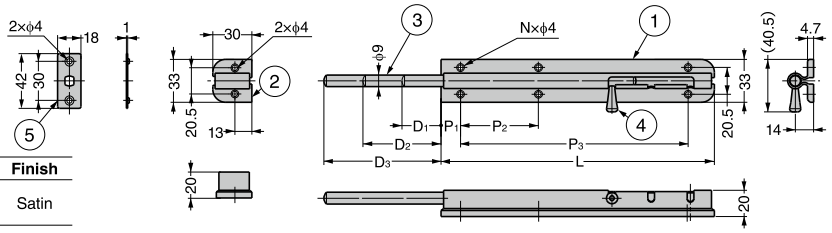
SPRING LOADED BARREL BOLT BSS2, BSS3 With Position Fixing Function

L=R SUS



- Extra sleeve for locking offers flexibility in application.
- Knob springs back into sleeve to keep bolt in locked or unlocked position.
- Can be installed vertically or horizontally.
- Two counter plates included for different mountings.

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



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

RoHS	CAD	Item Code	Item Name	L	P1	P2	P3	D1	D2	D3	N	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-042	BSS2-90	90	13	–	60	21	42	–	4	140	15	150
G	3D	140-050-041	BSS2-150	150	15		115	30	60			212	10	100
G	3D	140-050-043	BSS3-240	240		60	205			90	6	320	6	60

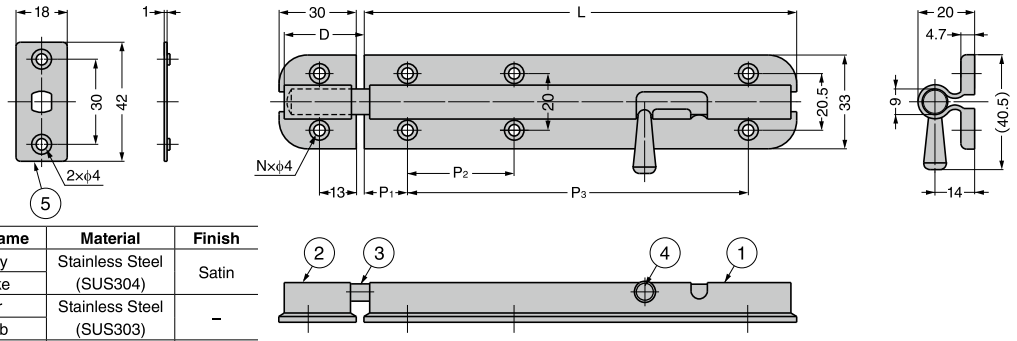
SPRING LOADED BARREL BOLT BSS With Position Fixing Function

NSF L=R SUS



- Knob springs back into sleeve to keep bolt in locked or unlocked position.
- Can be installed vertically or horizontally.
- Two counter plates included for different mountings.

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

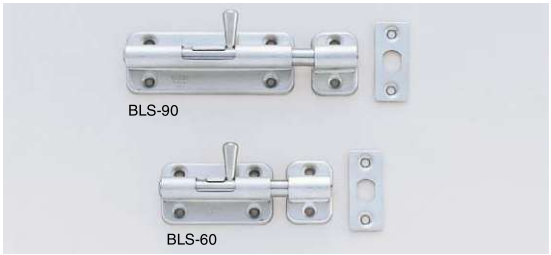


No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Strike		
③	Bar	Stainless Steel (SUS303)	–
④	Knob		
⑤	Counter Plate	Stainless Steel	Satin
–	Spring	(SUS304)	–

RoHS	CAD	Item Code	Item Name	L	P1	P2	P3	D	N	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-052-002	BSS-90	90	13	–	60	24	6	142	15	150
G	3D	140-052-003	BSS-150	150	15		115	32		215	10	100
G	3D	140-052-004	BSS-240	240		60	205		8	330	6	60

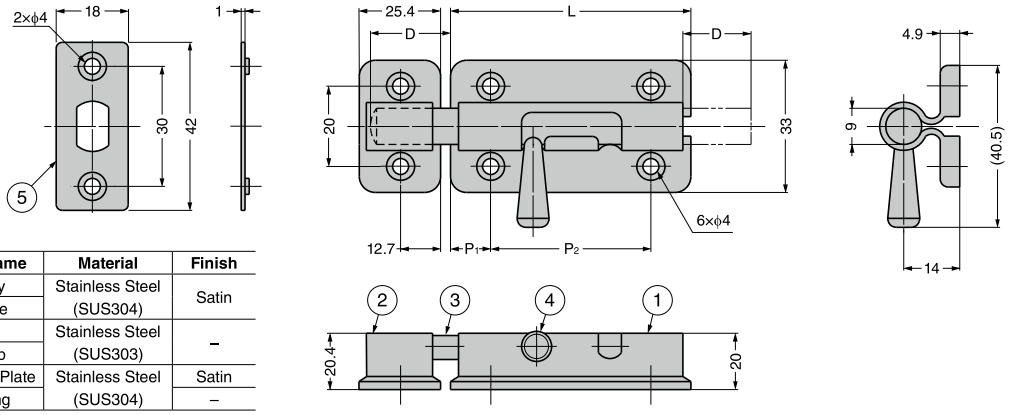
SPRING LOADED BARREL BOLT BLS With Position Fixing Function

NSF L=R SUS



- Knob springs back into sleeve to keep bolt in locked or unlocked position.
- Can be installed vertically or horizontally.
- Two counter plates included for different mountings.

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

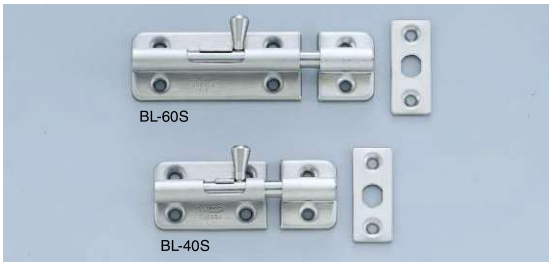


No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Strike		
③	Bar	Stainless Steel (SUS303)	–
④	Knob		
⑤	Counter Plate	Stainless Steel (SUS304)	Satin
–	Spring		–

RoHS	CAD	Item Code	Item Name	L	P1	P2	D	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-052-000	BLS-60	60	10	40	17	109	20	200
G	3D	140-052-001	BLS-90	90	12.5	65	24	147	15	150

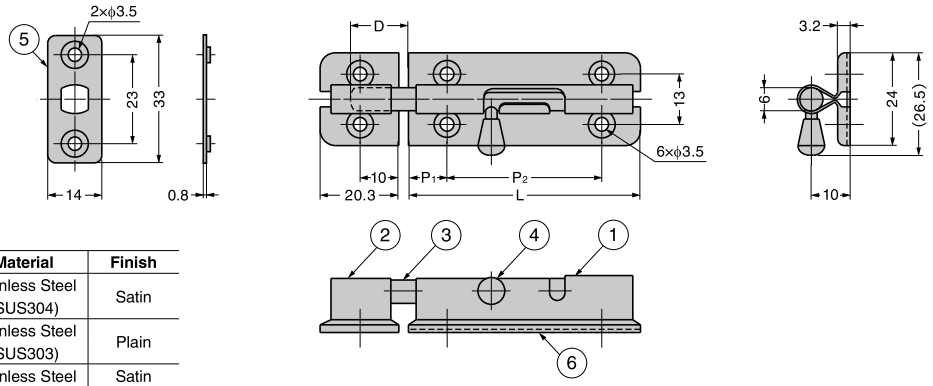
SPRING LOADED BARREL BOLT BL-S With Position Fixing Function

L=R SUS



- Knob springs back into sleeve to keep bolt in locked or unlocked position.
- Can be installed vertically or horizontally.
- Two counter plates included for different mountings.

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



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

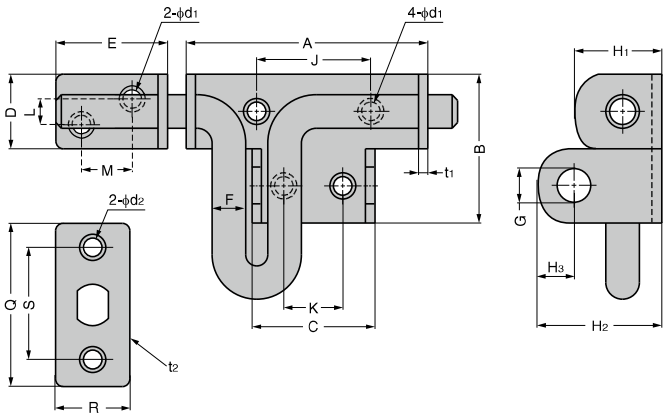
RoHS	CAD	Item Code	Item Name	L	P1	P2	D	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-050-245	BL-40S	40	7.5	25	11	36	30	450
G	3D	140-050-246	BL-60S	60	10	40	15	50	30	450

GATE LATCH SSG

SUS



- Gate latch with holes for pad lock. (Pad lock not included.)
- Lift and drop design keeps handle out of the way when not in use.



Material	Finish
Stainless Steel (SUS304)	Polished

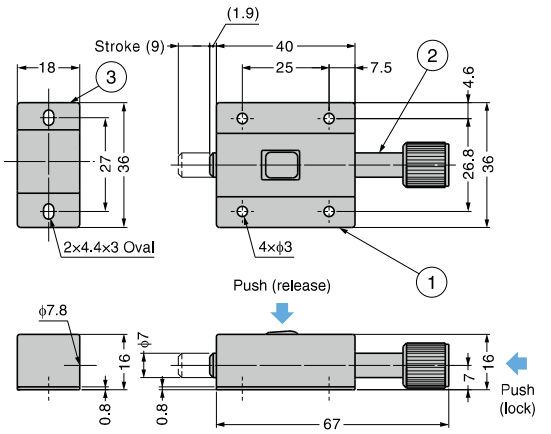
RoHS	CAD	Item Code	Item Name	A	B	C	D	E	F	G	H1	H2	H3	J	K	L	M	Q	R	S	d1	d2	t1	t2	Weight (g)	Box (pcs)	Carton (pcs)
G	–	140-059-177	SSG-45	45	28	26	14	21	6	7	16	20.5	7.5	22	11	2	8	32	15	22	4.8	4.8	2.0	1.2	65	20	240
G	–	140-059-178	SSG-65	65	40	33	20	29	9	10	21.5	29	10	30	14	4	14	40	18	28	5.9	5.9	2.5	1.5	175	10	100
G	–	140-179-391	SSG-85	85	46	42	26	34	12	10	28	35.5	11	38	21	8	17	48	22	35	6	5.2	3.0	1.5	400	5	60

PUSH BARREL BOLT PRS-40

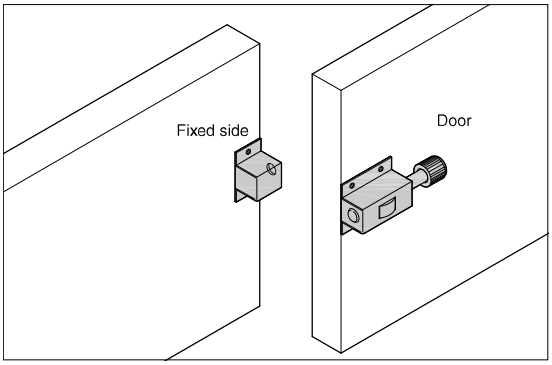
SUS



- Simply push black knob to latch and push front button to release.



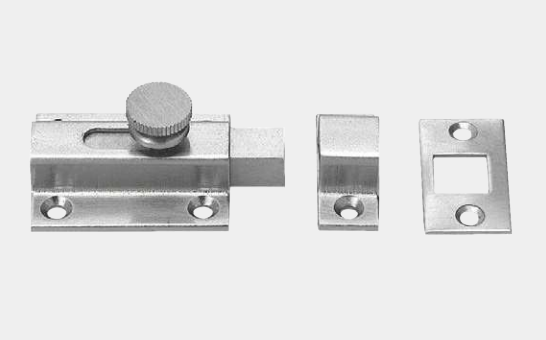
[Installation]



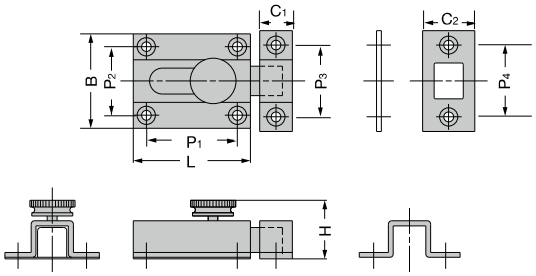
No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Bar		
③	Strike		

RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-049-402	PRS-40	55	–	1

SLIDE BOLT B-KR



- Knurled knob provides easy grip.
- 2 counterplates included for different mountings.

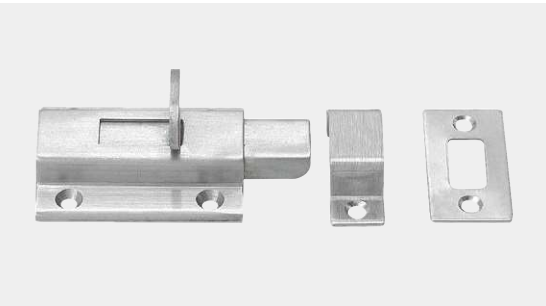


Material	Finish
Brass	Satin Nickel

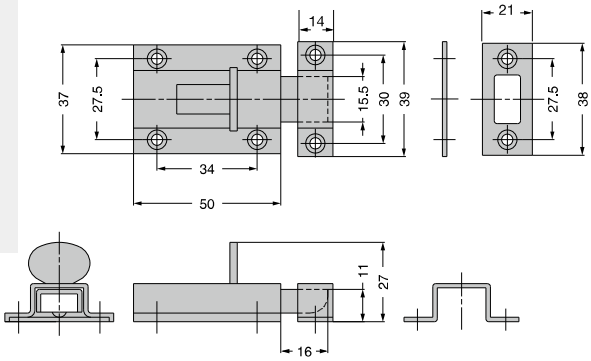
RoHS	CAD	Item Code	Item Name	L	B	H	C_1	C_2	P_1	P_2	P_3	P_4	Weight (g)	Box (pcs)	Carton (pcs)
–	–	140-054-048	B-KR-35	36	29	18	11	16	26.5	19	20	21	60	20	200
–	–	140-059-040	B-KR-45	45	30	18.5	12.5	17	33	20	22.5	21.5	80	10	200

SLIDE BOLT KR-50

NSF SUS



- Tab style knob provides an easy grip.
- 2 counterplates included for different mountings.

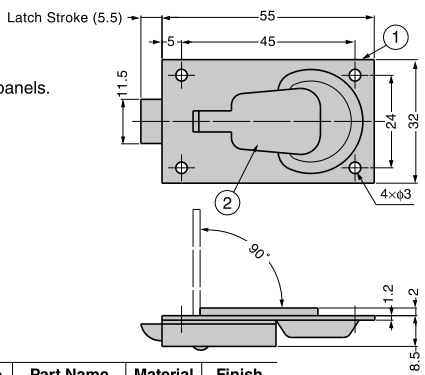


RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)	Carton (pcs)
–	–	140-913-942	KR-50	Stainless Steel (SUS304)	Satin	80	20	200

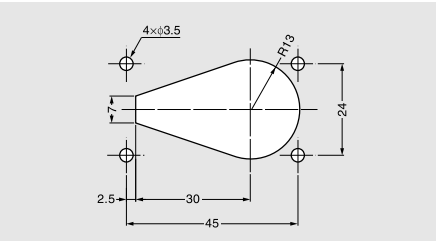
FLUSH SLAM LATCH P10-55H



- Flush slam latch ideal for cover panels and small applications.
- Panel is latched when tab is flush, and released by pulling up the tab.
- Tab will stay in both flush and extended position.
- Ideal for multiple latch panels.



[Bore Dimensions]



RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
G	–	140-049-306	P10-55H	40	–	–

No.	Part Name	Material	Finish
①	Body	Brass	Nickel
②	Lever		

※Limited stock available. Please contact your local agent or your nearest Sugatsune subsidiary for detail/availability.

STAINLESS STEEL DRAW LATCH SCC-TF30 Clamping Margin Adjustable

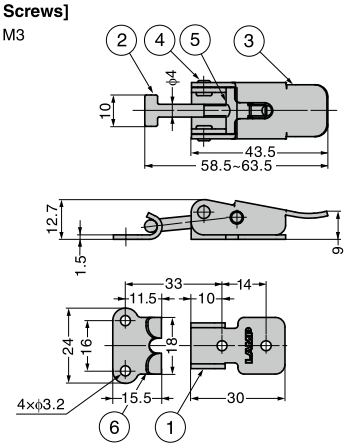
LOAD CAPACITY 500 N | TEST METHOD 7 | SUS



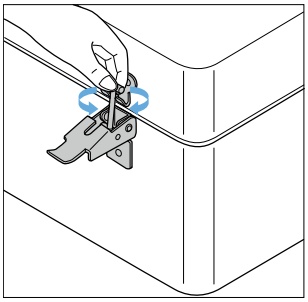
- Screw type arm allows for easy clamping margin adjustment after installation.

[Recommended Screws]

- Pan head screw M3



[Adjustment]



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

RoHS	CAD	Item Code	Item Name	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-028-716	SCC-TF30	500	51	32	100	400

DRAW LATCH (CLEAN ROOM) STF-CV150 Clamping Margin Adjustable

LOAD CAPACITY 3300 N | SUS316



- Ideal for clean room, semiconductor, and food industry applications.
- No metal-to-metal contact.
- Clamping margin is adjustable.

[Remarks]

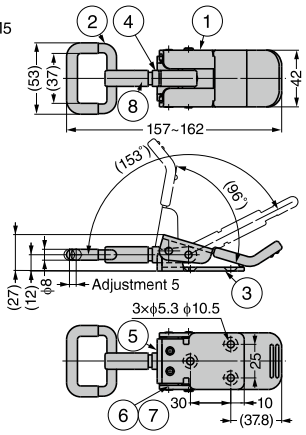
- The load capacities in the table below are values when used with a hook sold separately.

[Sold Separately]

- Heavy Duty Counterplate TF40C 1

[Recommended Screws]

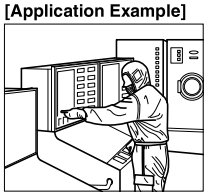
- Countersunk head screw M5



No.	Part Name	Material	Finish / Colour
①	Handle	Stainless Steel (SUS316)/ Cellulose Acetate (CA)	Barrel Polished/White
			Polished/White
②	Hook	Stainless Steel (SCS14)	Barrel Polished/PA Coating
			Polished/PA Coating
③	Base	Stainless Steel (SUS316)	Barrel Polished/Polished
④	Hook Screw	Stainless Steel (SCS14)	
⑤	Bumper	POM	Natural
⑥	Bush		
⑦	Washer		
⑧	O-ring	CR	Black

※SCS14 is equivalent to SUS316.

[Application Example]



Clean room equipment, etc.

[Strike Hook] Sold Separately

RoHS	CAD	Item Code	Item Name	Finish	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-014-142	TF40C-ST	Barrel Polished	48	5	20
G	3D	120-014-143	TF40C-STM	Polished		5	50

[Body]

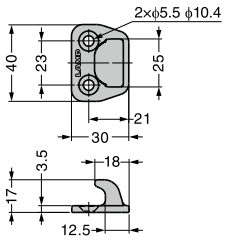
RoHS	CAD	Item Code	Item Name	Material	Finish	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-040-481	STF-CV150	Stainless Steel (SUS316)	Barrel Polished	3300	330	248	5	40
G	3D	120-014-141	STF-CV150M		Polished				5	40

Refer to 1 : P.500

STAINLESS STEEL COUNTERPLATE TF40C

SUS316


TF40C-ST



- For STF-CV150 1.
- Strong structure thanks to lost wax casting.

[Recommended Screws]
- Countersunk head screw M5

RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-014-142	TF40C-ST	Stainless Steel (SCS14)	Barrel Polished	48	5	20
G	3D	120-014-143	TF40C-STM		Polished		5	50

Refer to 1 : P.499
※SCS14 is equivalent to SUS316.

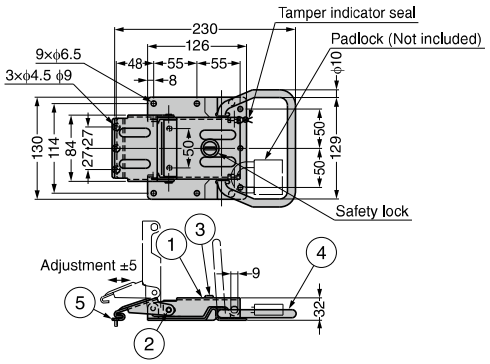
DRAW LATCH (W/ HANDLE) THF-100 Clamping Margin Adjustable

LOAD CAPACITY 980 N

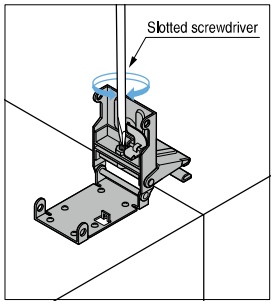
TEST METHOD 7



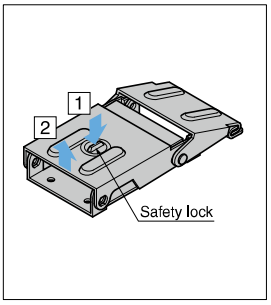
- With safety lock to prevent accidental release.
- Clamping margin is adjustable.
- Clamping adjustment: ±5mm
- Can be used with padlock 1.
- Handle compliant with SEMI standard.



[Adjustment]



[Safety Lock]



No.	Part Name	Material	Finish
①	Body	Steel (SPCC)	Coloured Zinc Chromate (Trivalent)
②	Shaft	Stainless Steel (SUS304)	–
③	Safety Lever		
④	Handle	Steel (SWRCH)	Coloured Zinc Chromate (Trivalent)
⑤	Strike	Steel (SPCC)	

RoHS	CAD	Item Code	Item Name	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
–	3D	120-040-506	THF-100	980	100	1064	10	–

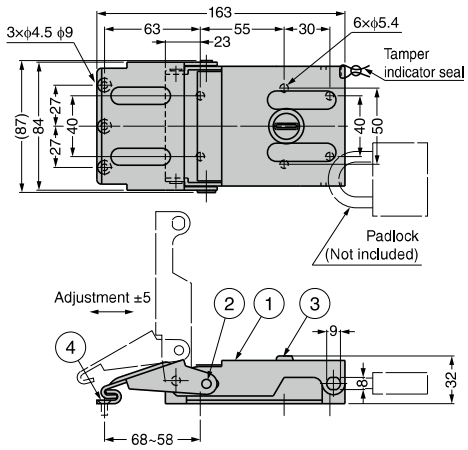
Refer to 1 : P.873 ※Limited stock available. Please contact your local agent or your nearest Sugatsune subsidiary for detail/availability.

DRAW LATCH THF-75 Clamping Margin Adjustable

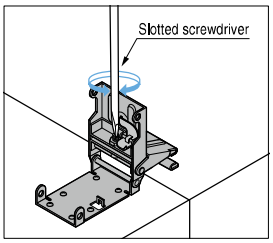
LOAD CAPACITY 730 N | TEST METHOD 7



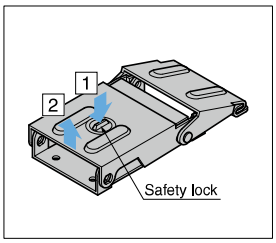
- With safety lock to prevent accidental release.
- Clamping margin is adjustable.
- Clamping adjustment: ±5mm
- Can be used with padlock 1.



[Adjustment]



[Safety Lock]



No.	Part Name	Material	Finish
①	Body	Steel (SPCC)	Coloured Zinc Chromate (Trivalent)
②	Shaft	Stainless Steel (SUS304)	–
③	Safety Lever		
④	Strike	Steel (SPCC)	Coloured Zinc Chromate (Trivalent)

RoHS	CAD	Item Code	Item Name	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
–	3D	120-040-505	THF-75	730	75	657	20	–

Refer to 1 : P.873 ※Limited stock available. Please contact your local agent or your nearest Sugatsune subsidiary for detail/availability.

STAINLESS STEEL DRAW LATCH (W/ SAFETY LOCK) STF100

LOAD CAPACITY 784 N | NSF | TEST METHOD 7 | INSTRUCTION | SUS



- With safety lock to prevent accidental release.
- Spring loaded latch provides constant holding tension for secure latching.

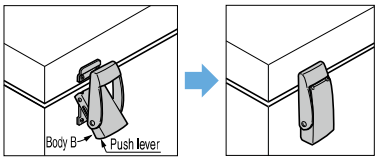
[Remarks]

- The installation pitch between mounting plate ⑥ of body B and strike ⑦ shall be $32^{+0.5}_{0}$. Other installation pitch than that specified may interfere with locking operation. Confirm the actual item before use.
- Clamping force varies at standard installation. Please check with actual item.

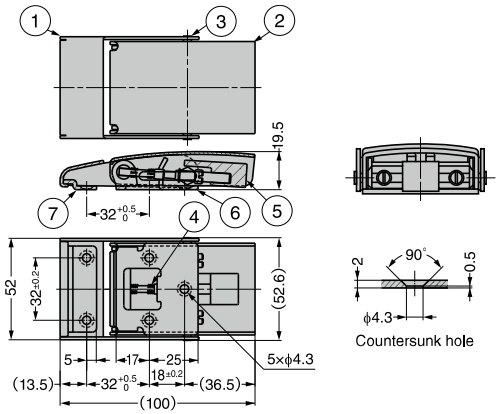
[Recommended Screws]

- M4 countersunk head screw

[How to Operate]



1. Releasing: push the lever while lifting the body B.
2. Locking: Just push down the body B to lock by the latch mechanism.



No.	Part Name	Material	Finish/Colour
①	Body A	Stainless Steel (SUS304)	Satin
②	Body B		
③	Shaft	Stainless Steel (SUS303)	–
④	Spring	Stainless Steel (SUS304)	
⑤	Push Lever	Nitrile Rubber (NBR)	Black
⑥	Mounting Plate	Stainless Steel (SUS304)	Barrel Polished
⑦	Strike		Satin

RoHS	CAD	Item Code	Item Name	Clamping Force N	Clamping Force kgf	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
GT	3D	120-044-024	STF100	137.2	14	784	80	190	6	120

STAINLESS STEEL DRAW LATCH (W/ SAFETY LOCK) STF82L

LOAD CAPACITY 784 N | TEST METHOD 7 | INSTRUCTION | SUS



- With safety lock to prevent accidental release.

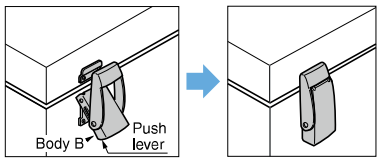
[Remarks]

- Gap occurs between mounting plate and strike in the installation determined by the specified dimensions. To eliminate the gap, please provide Cushion material as shown in Fig.1 between mounting plate ⑥ side and strike ⑦ side of the cabinet.

[Recommended Screws]

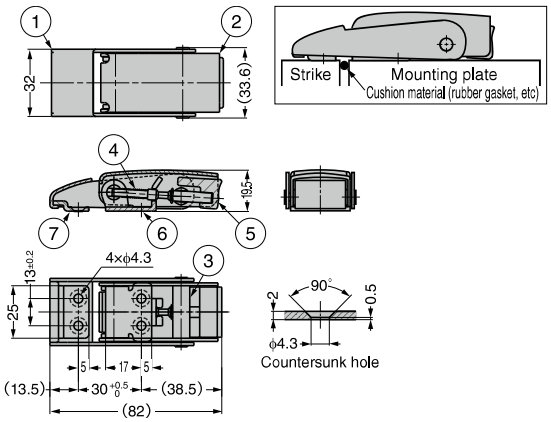
- M4 countersunk head screw

[How to Operate]



1. Releasing: push the lever while lifting the body B.
2. Locking: Just push down the body B to lock by the latch mechanism.

[Installation on Cabinet] Fig.1



No.	Part Name	Material	Finish / Colour
①	Body A	Stainless Steel (SUS304)	Satin finish
②	Body B		
③	Shaft	Stainless Steel (SUS303)	–
④	Spring	Stainless Steel (SUS304)	
⑤	Push lever	Nitrile Rubber (NBR)	Black
⑥	Mounting Plate	Stainless Steel (SUS304)	Barrel Polished
⑦	Strike		Satin finish

RoHS	CAD	Item Code	Item Name	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-913-101	STF82L	784	80	111	12	180

STAINLESS STEEL DRAW LATCH (SPRING LOADED) STF80

LOAD CAPACITY 784 N | TEST METHOD 7 | TEST METHOD 8 | INSTRUCTION | SUS



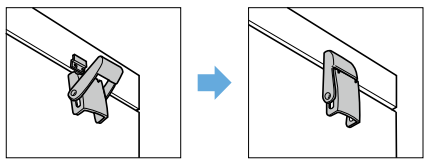
- Spring loaded latch provides constant holding tension for secure latching.

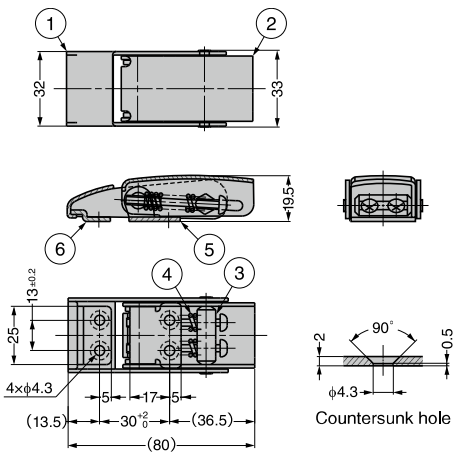
[Remarks]

- Clamping force varies at standard installation. Please check with actual item.

[Recommended Screws]

- M4 countersunk head screw





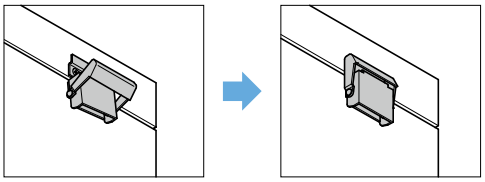
No.	Part Name	Material	Finish
①	Body A	Stainless Steel (SUS304)	Satin finish
②	Body B		
③	Shaft		–
④	Spring		
⑤	Mounting Plate		Barrel Polished
⑥	Strike		Satin finish

RoHS	CAD	Item Code	Item Name	Clamping Force N	Clamping Force kgf	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-914-490	STF80	58.8	6	784	80	110	12	180

STAINLESS STEEL DRAW LATCH STF40

LOAD CAPACITY 300 N | TEST METHOD 8 | SUS

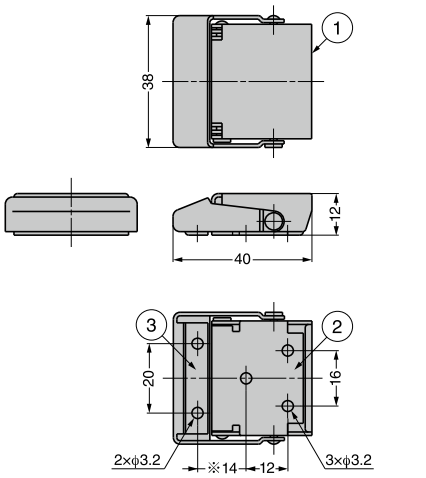




- Ideal for industrial equipment, vehicle equipment and leisure equipment, etc.

[Recommended Screws]

- M3 pan head screw



※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		
③	Strike		

RoHS	CAD	Item Code	Item Name	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-044-025	STF40	300	30.6	30	30	300

DRAW LATCH 9341 Clamping Margin Adjustable

LOAD CAPACITY 1000, 1500 N | TEST METHOD 7 | SUS316



- Clean appearance.
- Concealed mounting screws prevent mischief.
- Can be used with padlock 1.
- Clamping margin is adjustable.

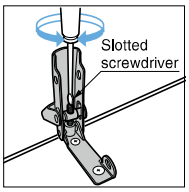
[Applications]

- Ships, etc.

[Recommended Screws]

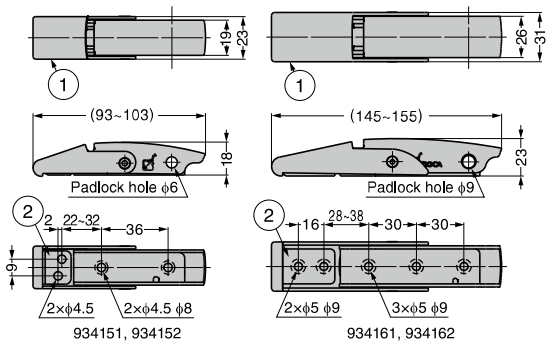
- 934151, 934152: M4 countersunk head screw (for body), M4 truss head screw (for strike)
- 934161, 934162 : M5 countersunk head screw

[Adjustment]



[Application Example]





No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS316)	Polished, Satin
②	Strike		Barrel Polished

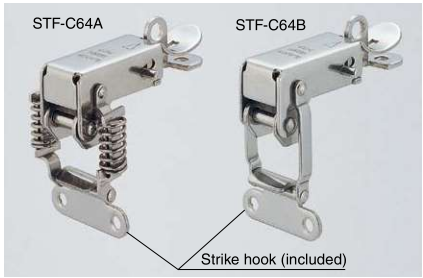
RoHS	CAD	Item Code	Item Name	Finish	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-025-088	934151	Polished	1000	102	83	200	–
G	3D	120-025-089	934152	Satin				200	–
G	3D	120-025-090	934161	Polished	1500	153	208	50	–
G	3D	120-025-091	934162	Satin				50	–

Refer to 1 : P.873

Please contact your local agent or your nearest Sugatsune subsidiary for detail/availability.

CORNER FASTENER (W/ LOCK) STF-C64A/STF-C64B With/Without Spring

LOAD CAPACITY 330 N SUS



- Designed to allow front operation.
- Can be used with corner fastener hinge STH-C64 1.
- With safety lock to prevent accidental release.
- Can be used with padlock 2.
- Available with or without spring.
- Strike hooks are also sold separately.

[Applications]
- Doors and covers required for dust proof, drip proof and vibration prevention, measuring equipment, communication equipment, machine tools, etc.

[Remarks]
- The clamping margin of STF-C64A shall not exceed 4mm.

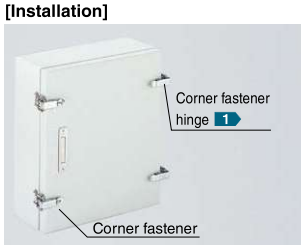
[Parts Included]
- Strike hook

[Sold Separately]
- Sealing pin 502-7SS, 502-9SS, 613-9SS
- Strike hook 01-613SS, 02-613SS, 07-613SS



Corner fastener hinge 1 also available.

[Installation]



When locked

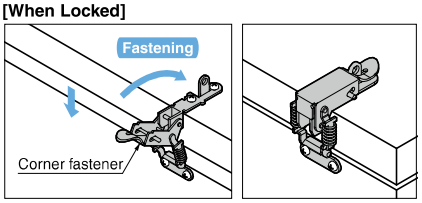


Pull lever and lift latch to open.



When opened

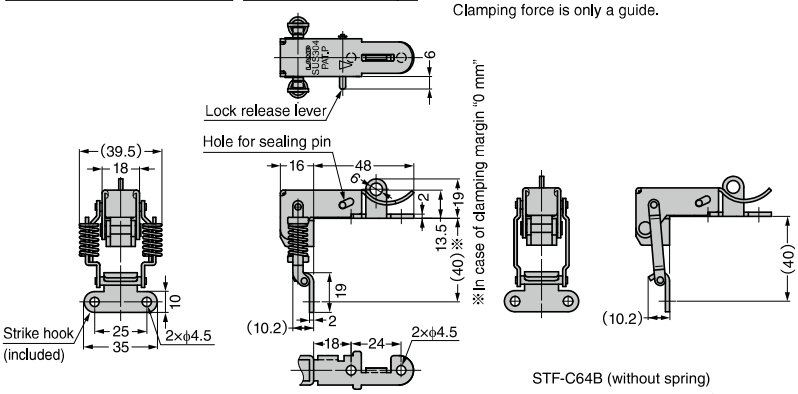
[When Locked]



[STF-C64A 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

Clamping force is only a guide.



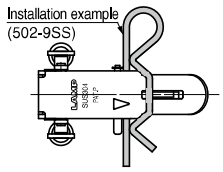
[Body]

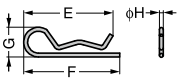
RoHS	CAD	Item Code	Item Name	Type	Door Thickness	Load Capacity N	Load Capacity kgf	Material	Finish	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-042-200	STF-C64A	With Spring	14~28	330	34	Stainless Steel (SUS304)	Barrel Polished	66.5	15	210
G	3D	120-042-201	STF-C64B	Without Spring						60	15	210

[Sealing Pin] Sold Separately

Material	Finish
Stainless Steel (SUS304)	Plain

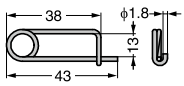
Used for preventing malfunction of lock release lever.





RoHS	CAD	Item Code	Item Name	E	F	G	H	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-041-823	502-9SS	63	66	18	2.6	–	1	–
G	3D	120-041-825	613-9SS	55	59	15	2.3	4	1	–

RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-041-822	502-7SS	3	1	–

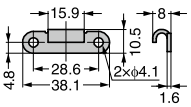


Refer to 1 : P.284, 2 : P.873

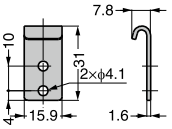
[Strike Hook] Sold Separately

Material	Finish
Stainless Steel (SUS304)	Barrel Polished

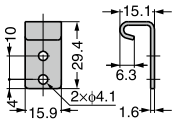
RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-040-415	01-613SS	5	1	–



RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-040-421	02-613SS	7	1	–



RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-040-452	07-613SS	10	1	–



CORNER FASTENER STF-A56AH/STF-A56AC Parallel Mount Type / Perpendicular Mount Type

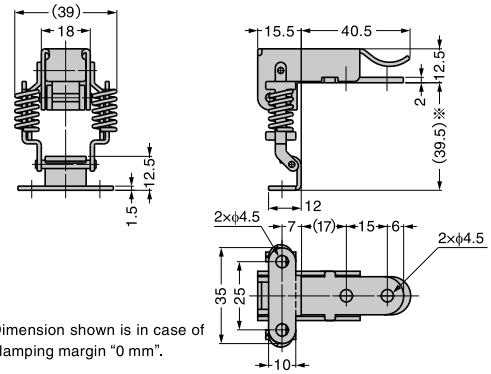
SUS



- Designed to allow front operation.

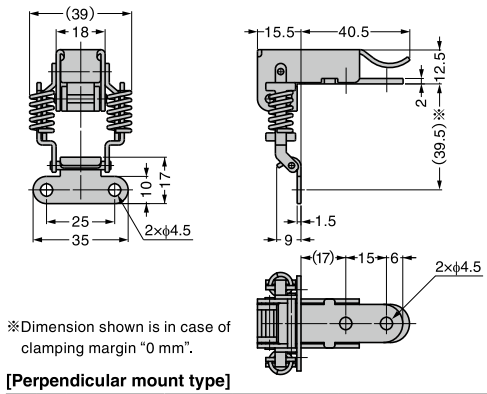
[Applications]
- Doors and covers required for dust proof and drip proof, etc.
- Doors and covers required for fastening, etc.
- Measuring equipment, communication equipment, machine tools, etc.

STF-A56AH (Parallel mount type)



※Dimension shown is in case of clamping margin "0 mm".

STF-A56AC (Perpendicular mount type)



※Dimension shown is in case of clamping margin "0 mm".

[Parallel mount type]

RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-040-480	STF-A56AH	Stainless Steel (SUS304)	Barrel Polished	56	–	–

[Perpendicular mount type]

RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-040-479	STF-A56AC	Stainless Steel (SUS304)	Barrel Polished	55	100	–

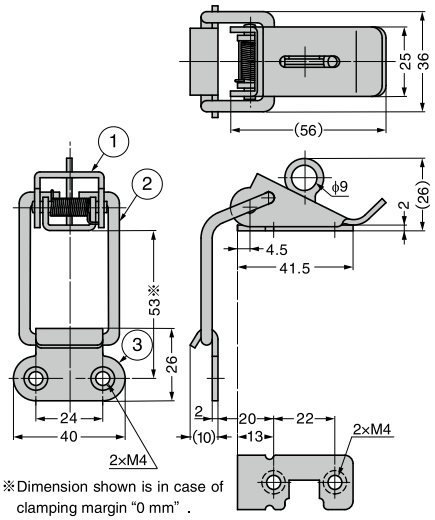
CORNER FASTENER PS34A

SUS



- Designed to allow front operation.
- Can be used with padlock 1.

[Applications]
- Doors and covers required for dust proof and drip proof, etc.
- Doors and covers required for fastening, etc.
- Measuring equipment, communication equipment, machine tools, etc.



※Dimension shown is in case of clamping margin "0 mm".

No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Barrel Polished
②	Hook		
③	Counter Plate		

RoHS	CAD	Item Code	Item Name	Tension Force※N	Tension Force※kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-049-193	PS34A	147	15	88	1	–

Refer to 1 : P.873

※In case of clamping margin "0.5mm"

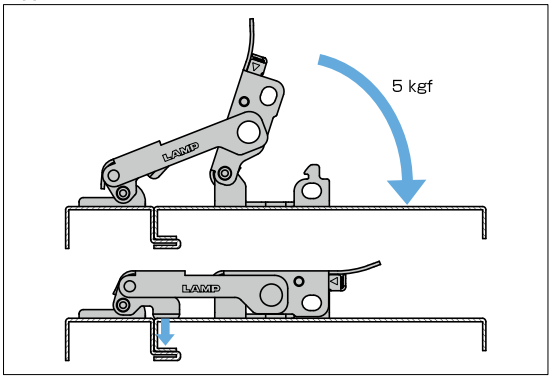
STAINLESS STEEL COMPRESSION LATCH STF-CP140 Compressing Force Adjustable

LOAD CAPACITY 600 N SUS

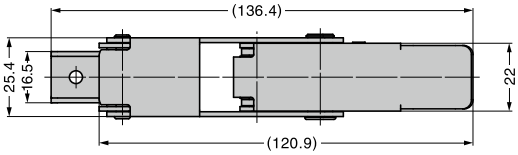


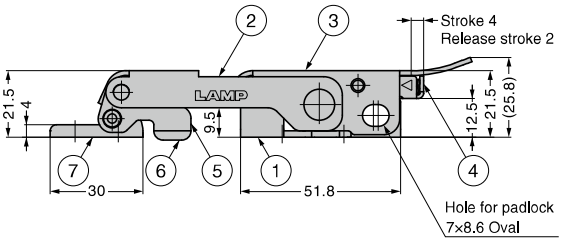
- Compression arm with rubber allows to fasten the door tightly.
- Compressing force is adjustable.
- With safety lock to prevent accidental release.
- Push safety button to release the lock.
- Can be used with padlock 1 or sealing tool series.

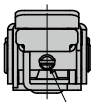
[Application]



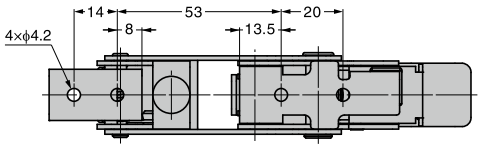
Compressing force works in the direction (↓ in the figure) vertical to the mounting surface .

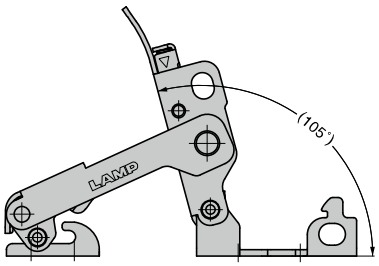






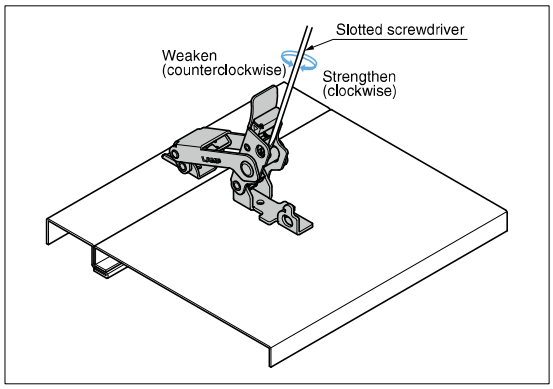
Adjustment slit
Compressing force adjustable by adjusting the ※ marked value ±2mm





Fully opened

[How to Adjust Compressing Force]



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

RoHS	CAD	Item Code	Item Name	Compressing Force N	Compressing Force kgf	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-025-504	STF-CP140	245	25	600	61	130	10	80

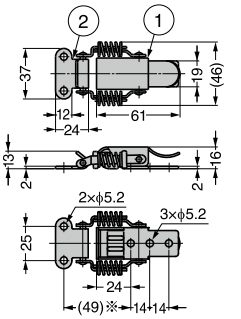
Refer to 1 : P.873

※In case of the lever operation force in 5kgf.

STAINLESS STEEL DRAW LATCH (SPRING LOADED) SCC-60

LOAD CAPACITY 600 N SUS





※In case of clamping margin "0 mm".

- Spring loaded design ideal for doors and covers required for dust proof and drip proof.

Clamping Margin mm	Clamping Force N	Clamping Force kgf
1	80	8.2
2	120	12.2
3	160	16.3

※Clamping force is only a guide.

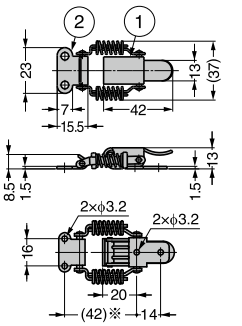
No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Barrel Polished
②	Counter Plate		

RoHS	CAD	Item Code	Item Name	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-043-981	SCC-60	600	61	75	20	200

STAINLESS STEEL DRAW LATCH (SPRING LOADED) SCC-40

LOAD CAPACITY 250 N SUS





※In case of clamping margin "0 mm".

- Spring loaded design ideal for doors and covers required for dust proof and drip proof.

Clamping Margin mm	Clamping Force N	Clamping Force kgf
1	55.5	5.7
2	68	6.9
3	80.5	8.2

※Clamping force is only a guide.

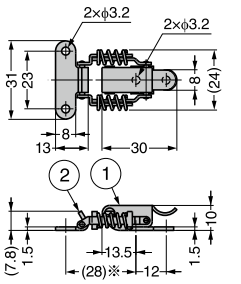
No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Barrel Polished
②	Counter Plate		

RoHS	CAD	Item Code	Item Name	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-043-980	SCC-40	250	25	36	40	400

STAINLESS STEEL DRAW LATCH (SPRING LOADED) SCC-30

LOAD CAPACITY 200 N SUS





※In case of clamping margin "0 mm".

- Spring loaded design ideal for doors and covers required for dust proof and drip proof.

Clamping Margin mm	Clamping Force N	Clamping Force kgf
1	30	3.1
2	45	4.6

※Clamping force is only a guide.

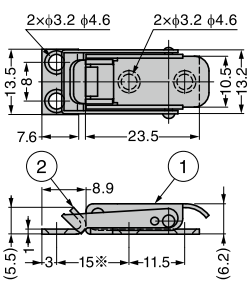
No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Barrel Polished
②	Counter Plate		

RoHS	CAD	Item Code	Item Name	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-040-693	SCC-30	200	20	14	100	1000

STAINLESS STEEL DRAW LATCH (SPRING LOADED) SCC-25

LOAD CAPACITY 100 N SUS





※In case of clamping margin "0 mm".

- Concealed spring provides clean appearance.
- Spring loaded design ideal for doors and covers required for dust proof and drip proof.

Clamping Margin mm	Clamping Force N	Clamping Force kgf
1	75	7.6

※Clamping force is only a guide.

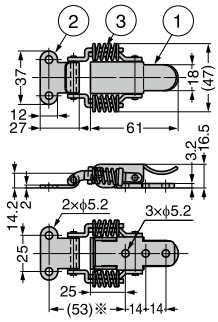
No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Barrel Polished
②	Counter Plate		

RoHS	CAD	Item Code	Item Name	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-021-949	SCC-25	100	10	6	100	1000

DRAW LATCH (SPRING LOADED) SCCA-60

LOAD CAPACITY 330 N





※In case of clamping margin "0 mm".

●Spring loaded design ideal for doors and covers required for dust proof and drip proof.

Clamping Margin mm	Clamping Force N	Clamping Force kgf
1	60	6.1
2	80	8.2
3	100	10.2

※Clamping force is only a guide.

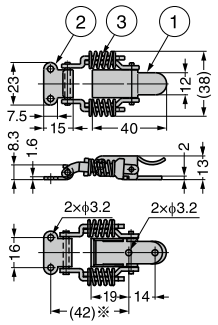
No.	Part Name	Material	Finish
①	Body	Steel (SPHC)	Clear Zinc Chromate (Trivalent)
②	Counter Plate		
③	Spring	Steel (SW)	–

RoHS	CAD	Item Code	Item Name	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-049-303	SCCA-60	330	34	102	100	–

DRAW LATCH (SPRING LOADED) SCCA-40

LOAD CAPACITY 200 N





※In case of clamping margin "0 mm".

●Spring loaded design ideal for doors and covers required for dust proof and drip proof.

Clamping Margin mm	Clamping Force N	Clamping Force kgf
1	80	8.2
2	97.5	9.9
3	115	11.7

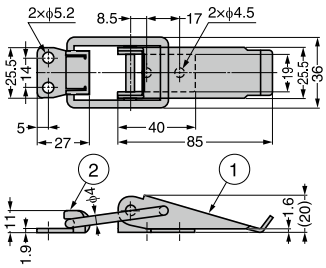
※Clamping force is only a guide.

No.	Part Name	Material	Finish
①	Body	Steel (SPHC)	Clear Zinc Chromate (Trivalent)
②	Counter Plate		
③	Spring	Steel (SW)	–

RoHS	CAD	Item Code	Item Name	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-049-179	SCCA-40	200	20	38	200	–

DRAW LATCH P91



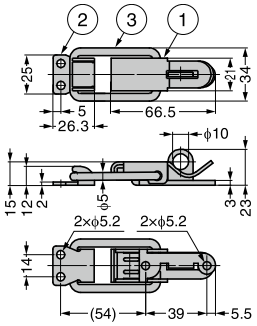


No.	Part Name	Material	Finish
①	Body	Steel (SPCC)	Clear Zinc Chromate (Trivalent)
②	Counter Plate		

RoHS	CAD	Item Code	Item Name	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-040-507	P91	300	31	79	500	–

DRAW LATCH P34





●Can be used with padlock 1.

[Recommended Screws]

●Pan head screw M5

No.	Part Name	Material	Finish
①	Body	Steel (SPCC)	Clear Zinc Chromate (Trivalent)
②	Counter Plate		
③	Arm	Steel (SWRM)	

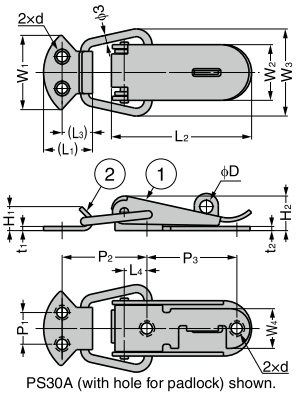
RoHS	CAD	Item Code	Item Name	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-049-015	P34	400	41	89	1	–

Refer to 1 : P.873

DRAW LATCH PS, P

SUS





PS30A (with hole for padlock) shown.

- Spring loaded to hold lever in retracted position.
- Available with or without hole for padlock 1.
- Stainless steel and brass material available.

[Applications]

- Control boards, measuring equipment, distribution boards, machine tools, etc.

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

[Stainless Steel PS Type]

RoHS	CAD	Item Code	Item Name	Type	L1	L2	L3	L4	W1	W2	W3	W4	H1	H2	t1	t2	P1	P2	P3	D	d	Tension Force N	Tension Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-040-476	PS31A	With Hole for Padlock	16	40	10	8	23	16	26	13	9	9.5	1.2	1	10	30	23	5	Counterbore for M3	98	10	27	–	400
G	3D	120-040-475	PS30A		18	53	11.5	8.5	28	21	32	15	10	13	1.5	1.5	12	33	34	5.5		147	15	38	–	200
G	3D	120-049-188	PS31	Without Hole for Padlock	19	39	11	7	24	16	25.5	13	8	9.5	1.2	1	10	(30)	23	–	φ3.4φ5.2	98	10	18	500	–
G	3D	120-049-671	PS30		18	53	11.5	8.5	28	21	32	15	10	13	1.5	1.5	12	33	34		Counterbore for M3	147	15	40	500	–

No.	Part Name	Material	Finish
①	Body	Brass	Chrome
②	Counter Plate		

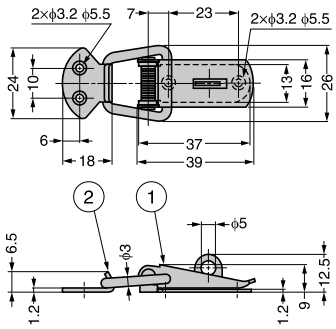
[Brass P Type]

RoHS	CAD	Item Code	Item Name	Type	L1	L2	L3	L4	W1	W2	W3	W4	H1	H2	t1	t2	P1	P2	P3	D	d	Tension Force N	Tension Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-049-313	P31A	With Hole for Padlock	18	39	10.5	7	24	16	26	13	8	9.5	1.2	1	10	(28)	23	5	φ3.4φ5.2	78	8	4	500	–
G	3D	120-049-311	P30A		18.5	52	11.5	8.5	28	22	31.5	15	9	13	1.5	1.5	12	(32)	34	5.2	φ3.2φ6.2	98	10	43	500	–
G	3D	120-049-314	P31	Without Hole for Padlock	18	39	10.5	7	24	16	26	13	8	9.5	1.2	1	10	(28)	23	–	φ3.4φ5.2	78	8	21	500	–
G	3D	120-049-312	P30		18.5	52	11.5	8.5	28	22	31.5	14.8	9	13	1.5	1.5	12	(32)	34		φ3.2φ6.2	98	10	–	500	–

Refer to 1 : P.873

DRAW LATCH P11





- Spring loaded to hold lever in retracted position.
- Can be used with padlock 1.

No.	Part Name	Material	Finish
①	Body	Steel (SPCC)	Nickel
②	Counter Plate		

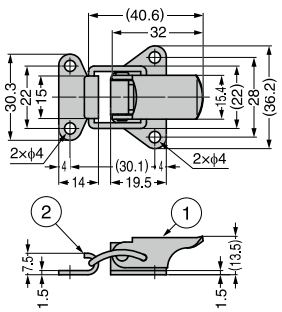
RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-044-004	P11	17.3	200	1000

Refer to 1 : P.873

STAINLESS STEEL DRAW LATCH P100SUS

SUS





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

RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-044-003	P100SUS	22.5	200	800

DRAW LATCH P

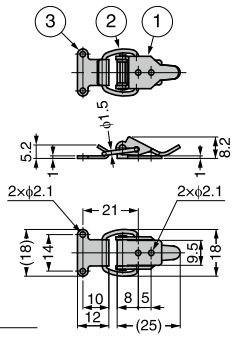
SUS



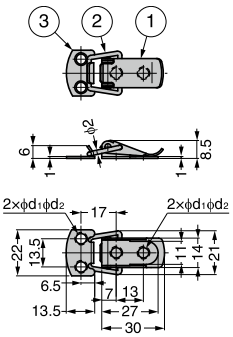
●Spring loaded to hold lever in opened/closed position (PS32, P32).

[Applications]

●Small measuring equipment, control boards, distribution boards, etc.



PS33



PS32, P32

In case of clamping margin "0mm"

No.	Part Name	Material			Finish		
		PS33	PS32	P32	PS33	PS32	P32
①	Body	Stainless Steel (SUS304)		Steel (SPCC)	Barrel Polished		Clear Zinc Chromate (Trivalent)
②	Hook			Steel (SWRH)	–		
③	Counter Plate			Steel (SPCC)	Barrel Polished		

[Without Lever Holding Function]

RoHS	CAD	Item Code	Item Name	Material	Tension Force N	Tension Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-049-672	PS33	Stainless Steel (SUS304)	49	5	6	200	2000

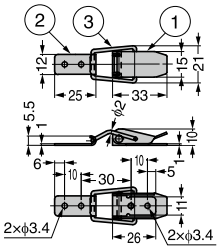
[With Lever Holding Function When Opened / Closed]

RoHS	CAD	Item Code	Item Name	Material	d_1	d_2	Tension Force N	Tension Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-059-452	PS32	Stainless Steel (SUS304)	3.2	5.2	78	8	11	500	–
G	3D	120-049-318	P32	Steel	4.8	6.2			12	500	–

STAINLESS STEEL DRAW LATCH PS35

SUS





[Applications]

●Small measuring equipment, lightweight boxes, etc.

No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Barrel Polished
②	Counter Plate		
③	Hook		–

RoHS	CAD	Item Code	Item Name	Material	Finish	Tension Force N※	Tension Force kgf※	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-049-345	PS35	Stainless Steel (SUS304)	Barrel Polished	19	2	15	500	–

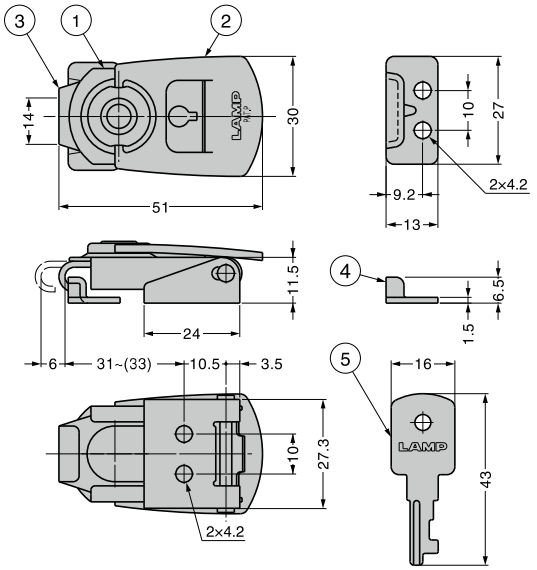
※In case of clamping margin "0.5mm"

STAINLESS STEEL DRAW LATCH PN-51 With Spring

LOAD CAPACITY 686 N | TEST METHOD 7 | SUS



[Remarks]
- When locked, check if the lever does not rise.
- Key changes are not available.



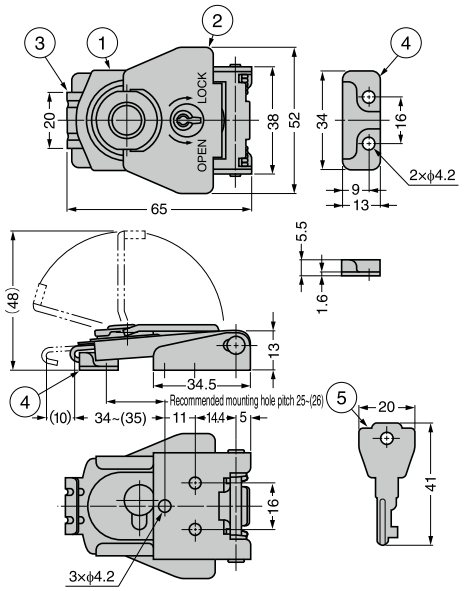
No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Plain
②	Lever		
③	Hook		
④	Counter Plate		
⑤	Key	Steel (SPCC)	Chrome

RoHS	CAD	Item Code	Item Name	Key Type	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
GT	3D	120-040-489	PN-51	Key Alike	686	70	50	40	240

DRAW LATCH P1040 With Spring



[Remarks]
- When locked, check if the lever does not rise.



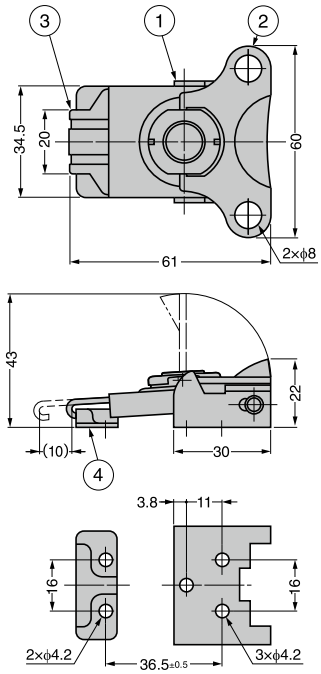
No.	Part Name	Material		Finish
		P1040SCR	P1040SUS	
①	Body	Steel	Stainless Steel (SUS304)	Chrome
②	Lever			
③	Hook	Stainless Steel (SUS430)	Stainless Steel (SUS430)	–
④	Counter Plate (P100H02)	Steel (SPCC)	Stainless Steel (SUS304)	Chrome
⑤	Key		Steel (SPCC)	Nickel

RoHS	CAD	Item Code	Item Name	Key Type	Weight (g)	Box (pcs)	Carton (pcs)
–	3D	120-049-240	P1040SCR	Key Alike	105	60	–
GT	3D	120-049-413	P1040SUS		105	60	240

DRAW LATCH P102H With Spring



●Available in steel and stainless steel.



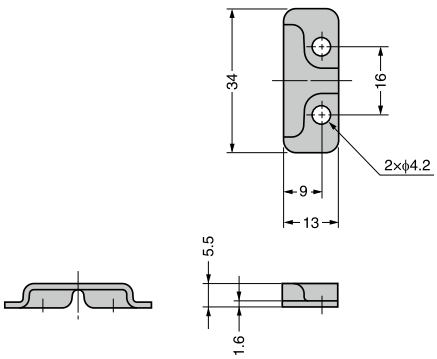
No.	Part Name	Material	Finish
①	Body	Steel (SPCC)	Chrome
②	Lever		
③	Hook	Stainless Steel (SUS430)	–
④	Counter Plate (P100H02)	Steel (SPCC)	Chrome

RoHS	CAD	Item Code	Item Name	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-049-233	P102HSCR	85	60	240
G	3D	120-049-234	P102HSUS		60	600

COUNTER PLATE P100H02



●Counter plate for draw latches P1040 1 and P102H 2 draw latch.



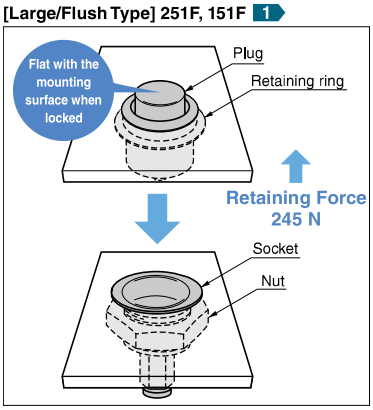
RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-049-231	P100H02	Steel (SPCC)	Chrome	6	1	–

Refer to 1 : P.511, 2 : P.512

Introduction of Push Lock Fastener Series

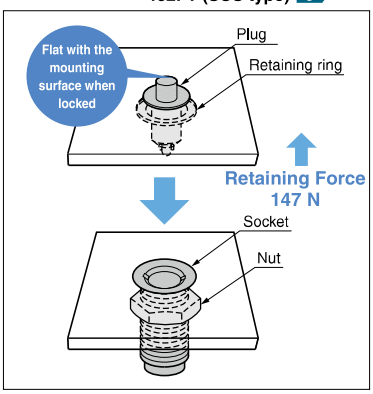
- Ideal connector for easy and reliable assembly, detachment and disassembly of aircraft, OA equipment, medical equipment, laboratory equipment, and maintenance equipment, etc.
- Insert plug into socket and push to lock/unlock.
- Fast and easy installation/removal of panel.
- Locked cam prevents release by vibration.
- There are flush/button types that the plug becomes flat with/comes out from the mounting surface when locked.Large and mini sizes are available, and large size is flush type only.
- AS parts set available for mini size.
- Resin and metal types available.

[Large/Flush Type] 251F, 151F 1



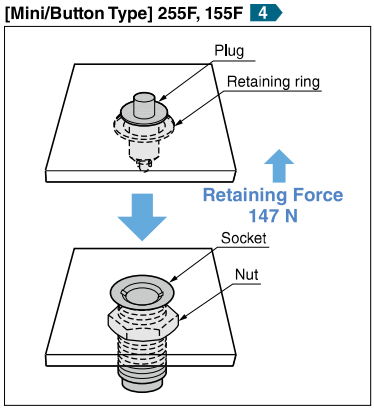


[Mini/Flush Type] 252F, 152F 2
152FT (SUS type) 3



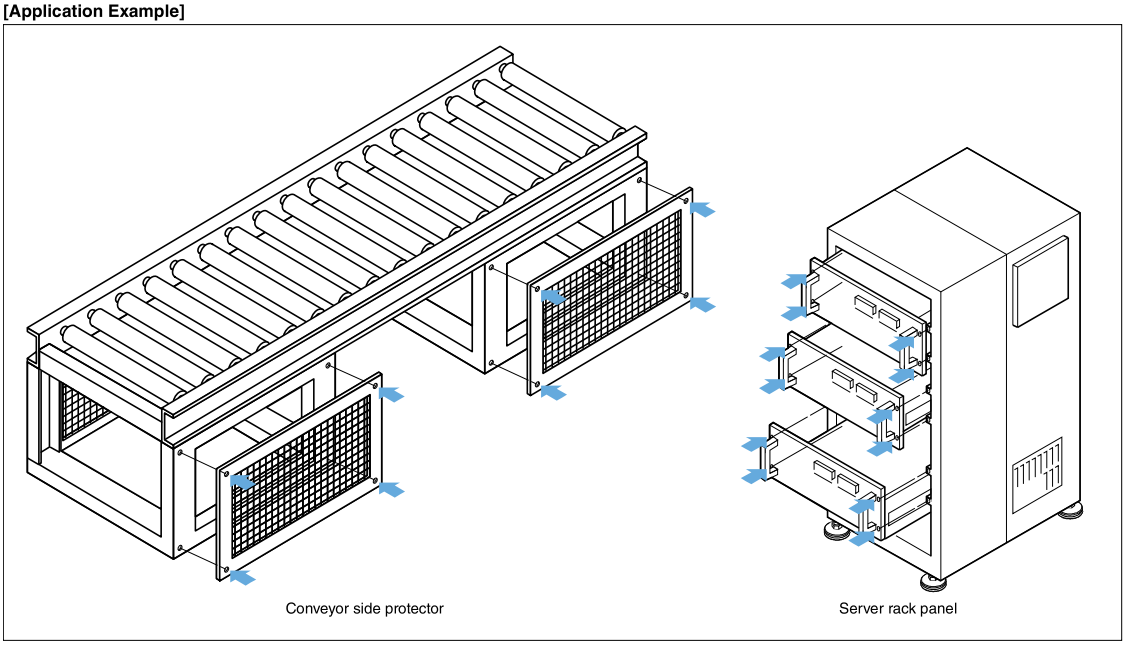


[Mini/Button Type] 255F, 155F 4





[Application Example]



Refer to 1 : P.514, 2 : P.516, 3 : P.515, 4 : P.518

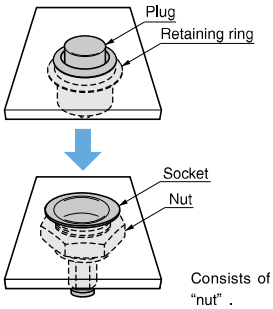
PUSH LOCK FASTENER 251F, 151F Large/Flush Type



- Insert plug into socket and push to lock/unlock.
- Resin and metal types available.
- Flush locked design prevents snagging.
- Fast and easy installation/removal of panel.
- Locked cam prevents release by vibration.

[Remarks]

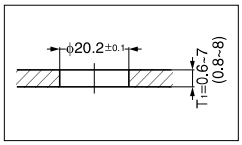
- Load applied directly to the body may cause damage.



Consists of four parts: “plug", “ring” , “socket” and “nut” .

[Preparation (Plug)]

Board thickness T_1=0.6~7 (0.8~8)

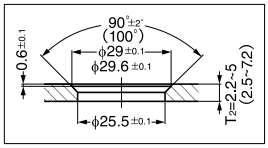


( ) dimension for 151F

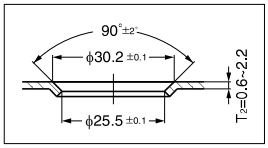
[Preparation (Socket)]

Countersink hole

Board thickness T_2=2.2~5 (2.5~7.2)



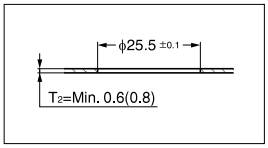
Board thickness T_2=0.6~2.2

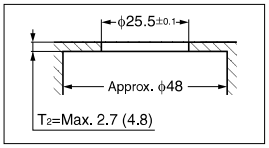


( ) dimension for 151F

[Straight hole]

Board thickness T_2=0.6~2.7 (0.8~4.8)





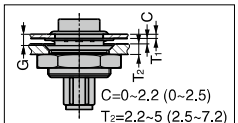
( ) dimension for 151F

[Grip Dimensions]

Please set so that the grip dimension G is within 1.2~6.

Countersink hole

In case of clearance C=0~2.2(0~ 2.5), grip dimension G=T_1+C+0.7



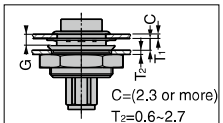
( ) dimension for 151F

How to select

In case of T_1=1, C=0.7 and T_2=3, grip dimension G=1+0.7+0.7=2.4
Set item name…251F-02-3

Straight hole 1

In case of clearance C=2.3 or more, grip dimension G=T_1+C-1.4

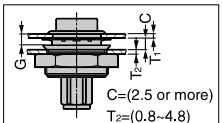


How to select

In case of T_1=1, C=2.5 and T_2=1, grip dimension G=1+2.5-1.4=2.1
Set item name…251F-02-3

Straight hole 2

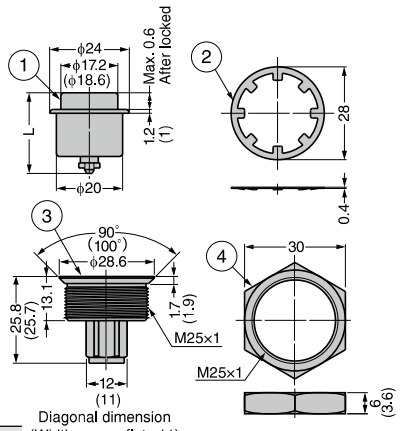
In case of clearance C=2.5 or more, grip dimension G=T_1+C-1.7



( ) dimension for 151F

How to select

In case of T_1=1, C=2.5 and T_2=1, grip dimension G=1+2.5-1.7=1.8
Set item name…151F-01-2



Diagonal dimension (Width across flats 11)

( ) dimension for 151F

[251F] Resin type

RoHS	CAD	Item Code	Set Item Name	Grip Dimension G	Plug Dimension L	Retaining Force N	Retaining Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
–	3D	120-040-259	251F-01-3	1.2~2	20.5	245	25	15	1	1
–	3D	120-040-260	251F-02-3	2~2.8	21				1	1
G	3D	120-040-261	251F-03-3	2.8~3.6	22				1	1
G	3D	120-040-262	251F-04-3	3.6~4.4	23				1	1
–	3D	120-040-263	251F-05-3	4.4~5.2	23.5				1	1
–	3D	120-040-264	251F-06-3	5.2~6	24.5			16	1	1

No.	Part Name	Material	Finish / Colour
①	Plug	POM	Black
②	Retaining Ring	Steel	Phosphate Coating
③	Socket	POM	Black
④	Nut		

[151F] Metal type

RoHS	CAD	Item Code	Set Item Name	Grip Dimension G	Plug Dimension L	Retaining Force N	Retaining Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
–	3D	120-013-718	151F-01-2	1.2~2	20.5	245	25	15	–	1
–	3D	120-013-719	151F-02-2	2~2.8	21				–	1
–	3D	120-013-720	151F-03-2	2.8~3.6	22				–	1
–	3D	120-013-721	151F-04-2	3.6~4.4	23				–	1
–	3D	120-013-722	151F-05-2	4.4~5.2	23.5				–	1
–	3D	120-013-723	151F-06-2	5.2~6	24.5			16	–	1

No.	Part Name	Material	Finish
①	Plug	Brass	Chrome
②	Retaining Ring	Steel	Phosphate Coating
③	Socket	Brass	Nickel
④	Nut	Zinc Alloy (ZDC)	

STAINLESS STEEL PUSH LOCK FASTENER 152FT Mini/Flush Type

SUS



- Insert plug into socket and push to lock/unlock.
- Flush locked design prevents accidental release. Push with sharp-pointed object to release.
- Fast and easy installation/removal of panel.
- Locked cam prevents release by vibration.
- Stainless steel construction suitable for corrosive environments.

[Remarks]

- Load applied directly to the body may cause damage.

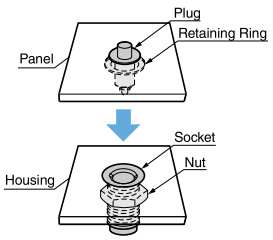
[When plug is pushed]



[Installation Image]



Flush to prevent release afterward



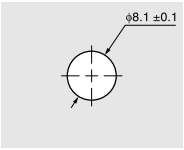
Consists of four parts: “plug”, “ring” , “socket” and “nut” .

[Panel Side Mounting Hole Dimensions]

[Housing Side Mounting Hole Dimensions]

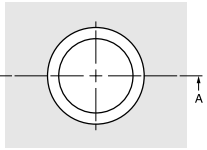
Hole

Door thickness T_1 = 0.8 to 4.8



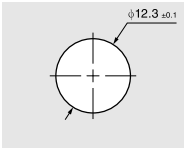
Countersink hole

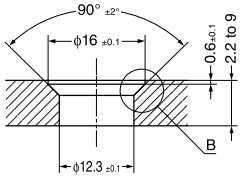
Door thickness T_2 = 2.2 to 9



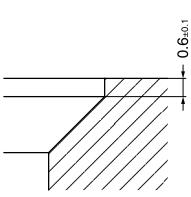
No countersink hole

Door thickness T_2 = 0.8 to 7.5





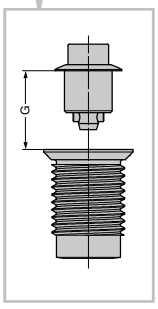
A-A Cross-Section



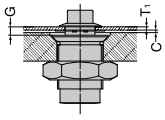
Detailed Figure B

[Grip Dimensions]

Grip dimension G	The distance from the plug flange bottom surface to the socket top surface is the grip dimension G. **Set so that the grip dimension G is 1.2 to 6.**

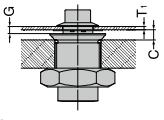


For countersink hole



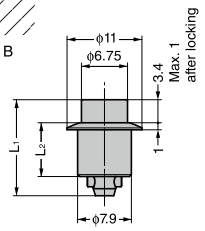
G = panel thickness T_1 + clearance C + 0.7

For non-countersink hole

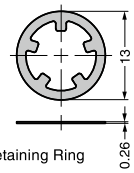


G = panel thickness T_1 + clearance C - 1.7

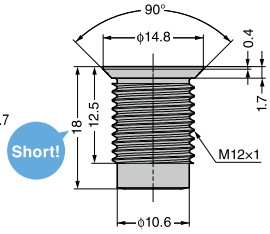
Clearance C = 2.4 or higher



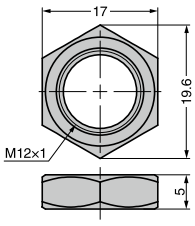
Plug



Retaining Ring



Socket



Nut

RoHS	CAD	Item Code	Item Name	Material	Grip Dimension G	Plug Dimension L_1	Plug Dimension L_2	Retaining Force N	Retaining Force kgf	Weight (g)
G	3D	120-050-628	152FT-12-SS	Stainless Steel	1.2~2	14.1	7.9	147	15	18
G	3D	120-050-629	152FT-20-SS		2~2.8	14.9				
G	3D	120-050-630	152FT-28-SS		2.8~3.6	15.7				
G	3D	120-050-631	152FT-36-SS		3.6~4.4	16.5	10.3			
G	3D	120-050-632	152FT-44-SS		4.4~5.2	17.3				
G	3D	120-050-633	152FT-52-SS		5.2~6	18.1				

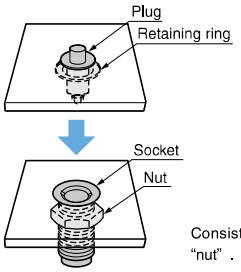
PUSH LOCK FASTENER 252F, 152F Mini/Flush Type



- Insert plug into socket and push to lock/unlock.
- Flush locked design prevents accidental release.Push with sharp-pointed object to release.
- Resin and metal types available.
- Fast and easy installation/removal of panel.
- Locked cam prevents release by vibration.
- AS part set for installing to aluminium frame also available 1.

[Remarks]

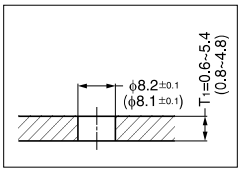
- Load applied directly to the body may cause damage.



Consists of four parts: “plug”, “ring” , “socket” and “nut” .

[Preparation (Plug)]

Board thickness T1=0.6~5.4 (0.8~4.8)

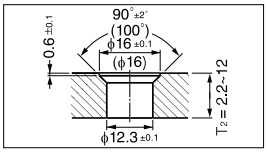


( ) dimension for 152F

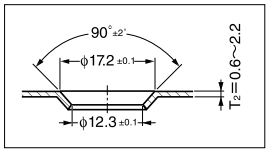
[Preparation (Socket)]

Countersink hole

Board thickness T2 = 2.2~12



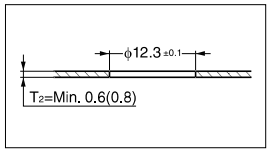
Board thickness T2 = 0.6~2.2

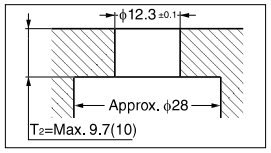


( ) dimension for 152F

Straight hole

Board thickness T2=0.6~9.7 (0.8~1.0)





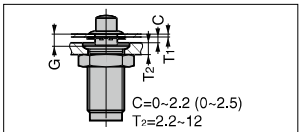
( ) dimension for 152F

[Grip Dimensions]

Please set so that the grip dimension G is within 1.2~6.

Countersink hole

In case of clearance C=0~2.2 (0~2.5), grip dimension G=T1+C+0.7



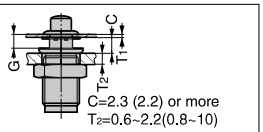
( ) dimension for 152F

How to select

In case of T1=1, C=1 and T2=1, grip dimension G=1+1+0.7=2.7
Set item name…252F-02-3

Straight hole

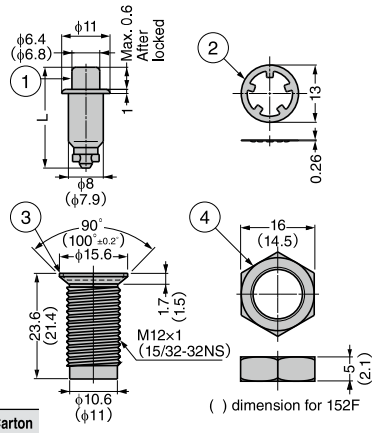
In case of clearance C=2.3 (2.2) or more, grip dimension G=T1+C-1.4



( ) dimension for 152F

How to select

In case of T1=3, C=2.6 and T2=1, grip dimension G=3+2.6-1.4=4.2
Set item name…152F-04-1



( ) dimension for 152F

[252F] Resin type

RoHS	CAD	Item Code	Set Item Name	Grip Dimension G	Plug Dimension L	Retaining Force N	Retaining Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-040-279	252F-01-3	1.2~2	18.5	147	15	6	1	1
G	3D	120-040-280	252F-02-3	2~2.8	19.0				1	1
G	3D	120-040-281	252F-03-3	2.8~3.6	20				1	1
–	3D	120-040-282	252F-04-3	3.6~4.4	20.5				1	1
–	3D	120-040-283	252F-05-3	4.4~5.2	21.5				1	1
–	3D	120-040-284	252F-06-3	5.2~6	22.5				1	1

No.	Part Name	Material	Finish / Colour
①	Plug	POM	Black
②	Retaining Ring	Steel	Phosphate Coating
③	Socket	POM	Black
④	Nut		

[152F] Metal type

RoHS	CAD	Item Code	Set Item Name	Grip Dimension G	Plug Dimension L	Retaining Force N	Retaining Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
–	3D	120-013-709	152F-01-1	1.2~2	16.5	147	15	6	–	1
–	3D	120-013-710	152F-02-1	2~2.8	17				–	1
–	3D	120-013-711	152F-03-1	2.8~3.6	18				–	1
–	3D	120-013-712	152F-04-1	3.6~4.4	18.5				–	1
–	3D	120-013-713	152F-05-1	4.4~5.2	19.5				–	1
–	3D	120-013-714	152F-06-1	5.2~6	20.5				–	1

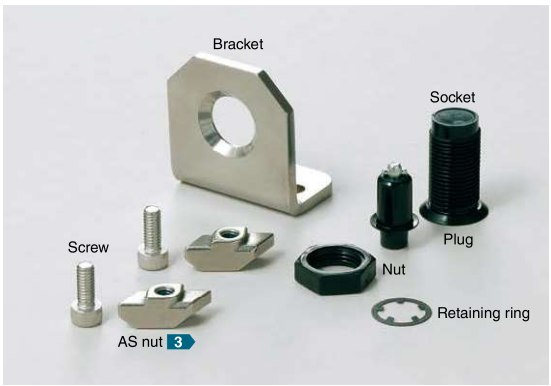
No.	Part Name	Material	Finish
①	Plug	Brass	Chrome
②	Retaining Ring	Stainless Steel (SUS304)	Passivation
③	Socket	Zinc Alloy (ZDC)	Coloured Zinc Chromate
④	Nut	Steel	Chromate

Refer to 1 : P.517

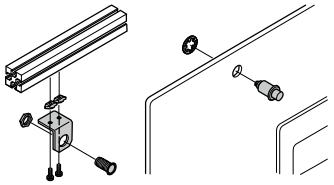
AS Parts Set for Installing to Aluminium Frame

Please refer to the series introduction page 1 for details about AS series.

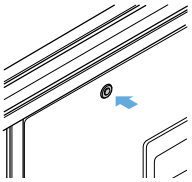
[AS Parts Set : For Push Lock Fastener 252F Resin Type 2] Parts set of brackets, screws and AS nuts used for installing to aluminium frame



[Installation]

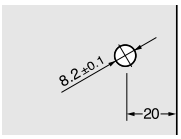


[Lock Release]

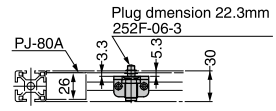


Push plug head with sharp-pointed object.

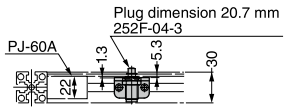
[Cut Out Dimensions of Panel]



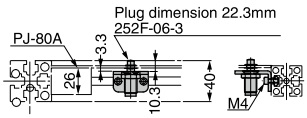
[Dimensions]



In case of PJ-80A+30×30 mm frame



In case of PJ-60A+30×30 mm frame



In case of PJ-80A+40×40 mm frame

RoHS	CAD	Item Code	Item Name	Aluminium Frame	Parts	Weight (set)
GT	–	120-014-252	AS-252F-03-3-30-6	30×30 Groove Width 6mm	Push Lock Fastener 252F-03-3 : 1pc Bracket AS-252F : 1pc AS Nut AS-6M4 : 2pcs M4×10 Hexagon Socket Head Cap Screw : 2pcs	45
–	–	120-014-253	AS-252F-06-3-40-8	40×40 Groove Width 8mm	Push Lock Fastener 252F-06-3 : 1pc Bracket AS-252F : 1pc AS Nut AS-8M4 : 2pcs M4×12 Hexagon Socket Head Cap Screw : 2pcs	50
–	–	120-014-254	AS-252F-06-3-30-8	30×30 Groove Width 8mm	Push Lock Fastener 252F-06-3 : 1pc Bracket AS-252F : 1pc AS Nut AS-8M4 : 2pcs M4×10 Hexagon Socket Head Cap Screw : 2pcs	51

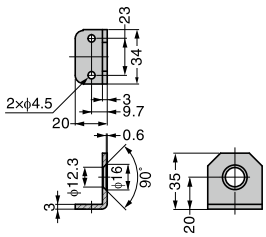
※The push lock fastener sets suitable for installing to aluminium frame are above item names only. Please contact us for other than above.

Refer to 1 : P.20, 2 : P.516, 3 : P.526

BRACKET FOR PUSH LOCK FASTENER AS-252F

SUS

●Used for installing push lock fastener to aluminium frame.



RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)	Carton (pcs)
GT	3D	120-010-542	AS-252F	Stainless Steel (SUS430)	Barrel Polished	32	50	400

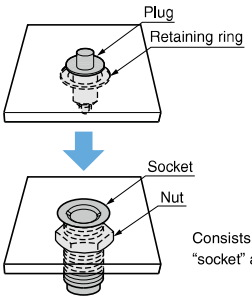
PUSH LOCK FASTENER 255F, 155F Mini/Button Type



- Insert plug into socket and push to lock/unlock.
- No special tool is required for locking and unlocking.
- Resin and metal types available.
- Fast and easy installation/removal of panel.
- Locked cam prevents release by vibration.
- AS parts set 1 for installing to aluminium frame also available.

[Remarks]

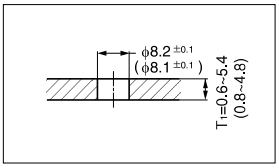
- Load applied directly to the body may cause damage.



Consists of four parts: “plug”, “ring” , “socket” and “nut” .

[Preparation (Plug)]

Board thickness T_1=0.6~5.4 (0.8~4.8)

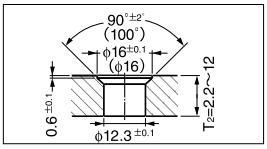


( ) dimension for 155F

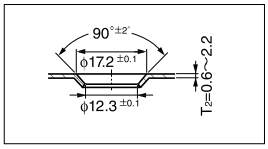
[Preparation (Socket)]

Countersink hole

Board thickness T_2=2.2~12



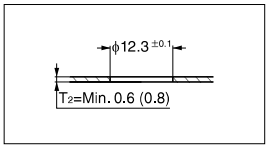
Board thickness T_2=0.6~2.2

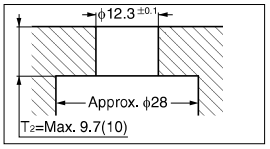


( ) dimension for 155F

Straight hole

Board thickness T_2=0.6~9.7 (0.8~10)





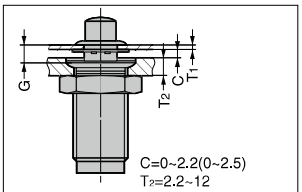
( ) dimension for 155F

[Grip Dimensions]

Please set so that the grip dimension G is within 1.2~6.

Countersink hole

In case of clearance C=0~2.2 (0~2.5), grip dimension G=T_1+C+0.7



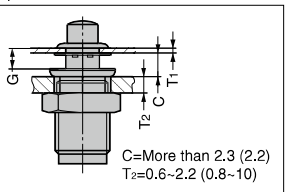
( ) dimension for 155F

How to select

In case of T_1=1, C=1 and T_2=1,
grip dimension G=1+1+0.7=2.7
Set item name…255F-01-3

Straight hole

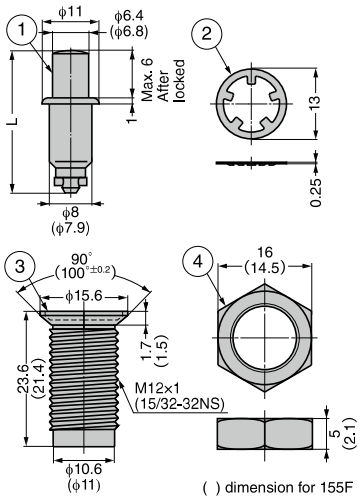
In case of clearance C=2.3 (2.2) or more, grip dimension G=T_1+C-1.4



( ) dimension for 155F

How to select

In case of T_1=3, C=2.6 and T_2=1,
grip dimension G=3+2.6-1.4=4.2
Set item name…155F-03-1



( ) dimension for 155F

[255F] Resin type

RoHS	CAD	Item Code	Set Item Name	Grip Dimension G	Plug Dimension L	Retaining Force N	Retaining Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-040-299	255F-01-3	1.2~2.8	23.5	147	15	6	1	1
–	3D	120-040-300	255F-03-3	2.8~4.4	25				1	1
–	3D	120-040-301	255F-05-3	4.4~6	26.5				1	1

No.	Part Name	Material	Finish / Colour
①	Plug	POM	Black
②	Retaining Ring	Steel	Phosphate Coating
③	Socket	POM	Black
④	Nut		

[155F] Metal type

RoHS	CAD	Item Code	Set Item Name	Grip Dimension G	Plug Dimension L	Retaining Force N	Retaining Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
–	3D	120-013-715	155F-01-1	1.2~2.8	21.5	147	15	6	–	1
–	3D	120-013-716	155F-03-1	2.8~4.4	23				–	1
–	3D	120-013-717	155F-05-1	4.4~6	24.5				–	1

No.	Part Name	Material	Finish
①	Plug	Brass	Chrome
②	Retaining Ring	Stainless Steel (SUS304)	Passivation
③	Socket	Zinc Alloy (ZDC)	Clear Zinc Chromate
④	Nut	Steel	Chromate

Refer to 1 : P.519

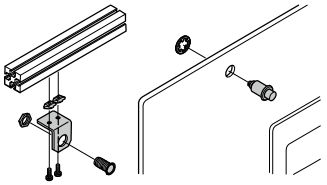
AS Parts Set for Installing to Aluminium Frame

Please refer to the series introduction page 1 for details about AS series.

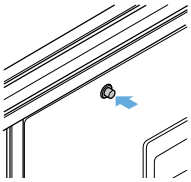
[AS Parts Set : For Push Lock Fastener 255F Resin Type 2] Parts set of brackets, screws and AS nuts used for installing to aluminium frame



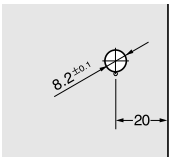
[Installation]



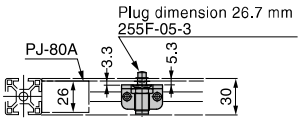
[Lock Release]



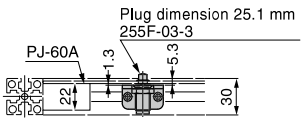
[Cut Out Dimensions of Panel]



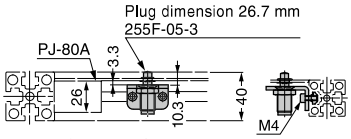
[Dimensions]



In case of PJ-80A+30×30 mm frame



In case of PJ-60A+30×30 mm frame



In case of PJ-80A+40×40 mm frame

RoHS	CAD	Item Code	Item Name	Aluminium Frame	Parts	Weight (set)
–	–	120-014-246	AS-255F-03-3-30-6	30×30 Groove Width 6 mm	Push Lock Fastener 255F-03-3 : 1 pc Bracket AS-252F : 1 pc AS Nut AS-6M4 : 2 pcs M4×10 Hexagon Socket Head Cap Screw : 2 pcs	46
–	–	120-014-247	AS-255F-05-3-40-8	40×40 Groove Width 8 mm	Push Lock Fastener 255F-05-3 : 1 pc Bracket AS-252F : 1 pc AS Nut AS-8M4 : 2 pcs M4×12 Hexagon Socket Head Cap Screw : 2 pcs	51
–	–	120-014-248	AS-255F-05-3-30-8	30×30 Groove Width 8 mm	Push Lock Fastener 255F-05-3 : 1 pc Bracket AS-252F : 1 pc AS Nut AS-8M4 : 2 pcs M4×10 Hexagon Socket Head Cap Screw : 2 pcs	52

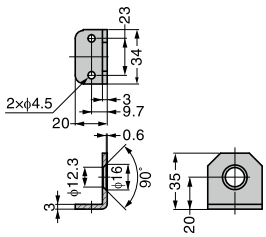
※ The push lock fastener sets suitable for installing to aluminium frame are above item names only. Please contact us for other than above.

Refer to 1 : P.20, 2 : P.518, 3 : P.526

BRACKET FOR PUSH LOCK FASTENER AS-252F

SUS

●Used for installing push lock fastener to aluminium frame.



RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-010-542	AS-252F	Stainless Steel (SUS430)	Barrel Polished	32	50	400

PUSH LOCK FASTENER 149FN Push-turn Type for Horizontal Use Only


Plug


Socket

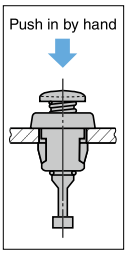
- Just push in the pin to lock and rotate its head to remove. An easily operated fastener for definite connection.
- Lock can be opened just by rotating the pin head 90° to left or right with a screwdriver.
- Composed of two parts (plug body and socket), each with one-touch installation.

[Remarks]

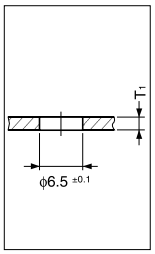
- For horizontal use only. Use for sideways or ceiling mounting, with load directly applied to the body, may cause damage.

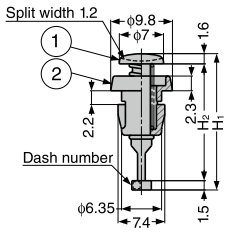
[Plug]

Installation Dimensions

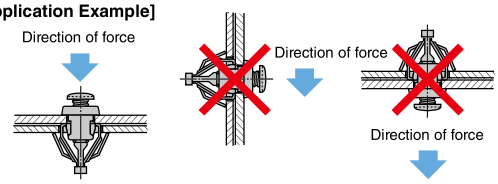


Mounting Hole Dimensions





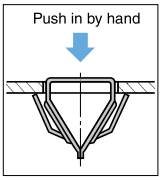
[Application Example]



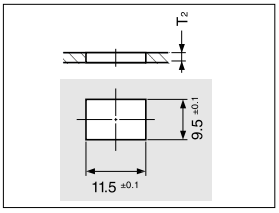
No.	Part Name	Material	Finish/Colour
①	Pin	Stainless Steel (SUS430)	Plain
②	Cap	Polyacetal (POM)	Grey

[Socket]

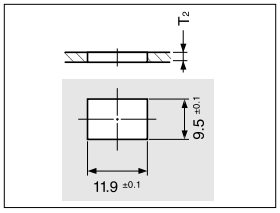
Installation Dimensions

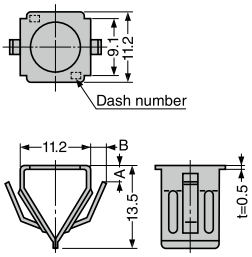


Mounting Hole Dimensions: When board thickness T2=1.2 - 2.5



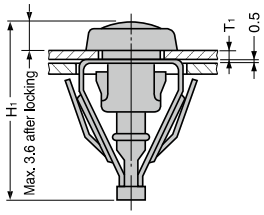
Mounting Hole Dimensions: When board thickness T2=2.6



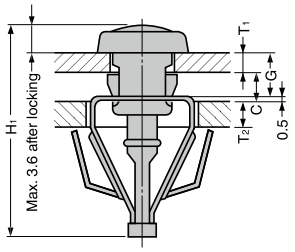


[Plug Selection]

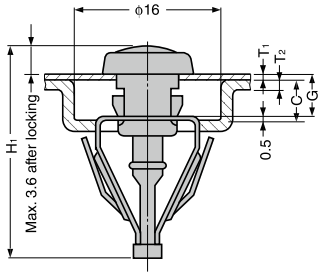
Ⓐ Plug board thickness T1 is thin (0.6 - 2.2mm)



Ⓑ Clearance C between plug board thickness T1 and socket board thickness T2



Ⓒ No clearance C between plug board thickness T1 and socket board thickness T2



[Ⓐ]

Item Name	Plug Board Thickness T1	H1
149FN-1-2/149FN-1-3	0.6 - 1.4	19.2
149FN-2-2/149FN-2-3	1.4 - 2.2	20

[Ⓑ, Ⓒ]

Item Name	G=T1+C−0.5	Plug Board Thickness T1	C
149FN-1-2/149FN-1-3	0.6 - 1.4	0.6 - 1.4	1.3 - 0.5
149FN-2-2/149FN-2-3	1.4 - 2.2	0.6 - 2.2	2.1 - 0.5

Note) The combination of T1 and C in each line of the table above refers to [T1+C-0.5≤G max. value].
1. T1(0.8)+C(1.0)−(0.5)=G 2. T1(0.8)+C(1.3)−(0.5)=G
G=1.3 → Use 149FN-1-2/149FN-1-3 G=1.6 → Use 149FN-2-2/149FN-2-3

Sold in pairs (plug and socket 1 pc each). When ordering, "1" is for one set.

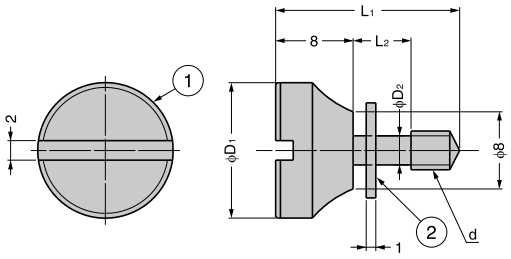
RoHS	CAD	Item Code	Item Name	H1	H2	A	B	Socket Board Thickness T2	Socket Material	Weight (g)
G	3D	120-052-835	149FN-1-2	19.2	16.1	2.9	1.5	1.2 - 1.8	Stainless Steel (SUS304)	3
G	3D	120-052-836	149FN-1-3			3.8	2.1	1.8 - 2.6		
G	3D	120-052-837	149FN-2-2	20	16.9	2.9	1.5	1.2 - 1.8		
G	3D	120-052-838	149FN-2-3			3.8	2.1	1.8 - 2.6		

KNOB FASTENER BRT Fall-preventing Screw



●With washer for fall prevention.

[Applications]
●Switch boards, control boards, distribution boards, etc.



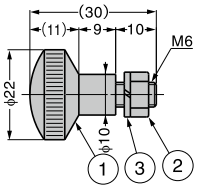
No.	Part Name	Material	Finish / Colour
①	Knurled Knob	Brass	Chrome
②	Resin Washer	PA	Natural

RoHS	CAD	Item Code	Item Name	L1	L2	D1	D2	d	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	100-019-231	BRT4-10CR	19	6	14	3	M4	7	1	–
G	3D	100-019-244	BRT4-15CR	24.5	10				8	1	–
G	3D	100-014-070	BRT4-20CR	29.5	12				9	1	–
G	3D	100-014-069	BRT4-27CR	37	17				10	1	–
G	3D	100-014-068	BRT5-22CR	32	14	15	4	M5	11	1	–
G	3D	100-014-067	BRT5-27CR	37	17				12	1	–
G	3D	100-019-809	BRT5-37CR	46.5	22				13	1	–

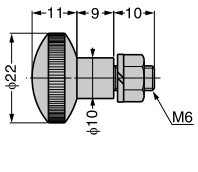
KNOB FASTENER BRT-L6-10CR, SRT-L6-10S

SUS





BRT-L6-10CR



SRT-L6-10S

[Applications]
●Switch boards, control equipment, distribution boards, etc.

RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	100-019-847	BRT-L6-10CR	Refer to the right table	Refer to the right table	40	1	–
G	3D	100-010-160	SRT-L6-10S	Stainless Steel (SUS304)	Polished		100	400

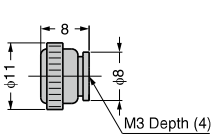
※Limited stock available. Please contact your local agent or your nearest Sugatsune subsidiary for detail/availability.

BRT-L6-10CR Parts List

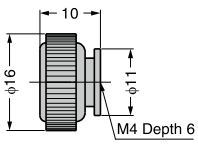
No.	Part Name	Material	Finish
①	Knurled Knob	Brass	Chrome
②	Hexagon Nut	Steel (SWCH)	Coloured Zinc
③	Spring Washer	Steel	Chromate (Trivalent)

KNOB FASTENER BRT-NC





BRT-NC3-4CR



BRT-NC4-6CR

[Applications]
●Switch boards, control boards, distribution boards, etc.

RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	100-019-849	BRT-NC3-4CR	Brass	Chrome	4	1	–
G	3D	100-019-052	BRT-NC4-6CR			12	1	–

KNOB FASTENER DBN Snap-in Installation

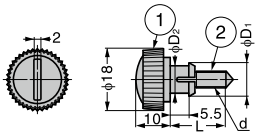


- Push into the mounting hole of panel to snap-in. Few installation steps reduce cost.
- No retaining ring or washer is required for installation.
- Resin installation part prevents scratches on the painted surface.

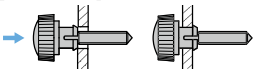
[Applications]
- Switch boards, control equipment, distribution boards, etc.

[Cut Out Dimensions]





[Installation]

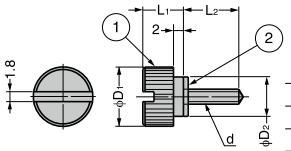


No.	Part Name	Material	Finish / Colour
①	Knob	POM	Black
②	Screw	See Below	See Below

RoHS	CAD	Item Code	Item Name	Screw Material	Screw Finish	L	D_1	D_2	d	Hole Dia. D_3	Board Thickness	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	100-011-915	DBN4-21SUS	Stainless Steel	Plain	22	9.5	8.2	M4	8.5	Max. 5	4.8	100	2000
G	3D	100-011-916	DBN4-27SUS			27						5.3	100	2000
G	3D	100-011-917	DBN5-21SUS			21	10.5	9	M5	9.5		6.4	100	2000
G	3D	100-011-918	DBN5-26SUS			26						7	100	2000
G	3D	100-011-919	DBN5-36SUS			36						8.2	100	2000
G	3D	100-011-920	DBN6-21SUS			21	11.5	10	M6	10.5		8.5	100	2000
G	3D	100-011-921	DBN6-26SUS			26						9.3	100	2000
G	3D	100-011-922	DBN6-36SUS			36						11	100	2000
G	3D	100-011-907	DBN4-21	Steel (SWCH)	Coloured Zinc Chromate (Trivalent)	22	9.5	8.2	M4	8.5		4.5	100	2000
G	3D	100-011-908	DBN4-27			27						5.2	100	2000
G	3D	100-011-909	DBN5-21			21	10.5	9	M5	9.5		6.4	100	2000
G	3D	100-011-910	DBN5-26			26							100	2000
G	3D	100-011-911	DBN5-36			36						8.1	100	2000
G	3D	100-011-912	DBN6-21			21	11.5	10	M6	10.5		8.4	100	2000
G	3D	100-011-913	DBN6-26			26						9.2	100	2000
G	3D	100-011-914	DBN6-36			36						11	100	2000

KNOB FASTENER BRF





No.	Part Name	Material	Finish / Colour
①	Knurled Knob	Brass	Chrome
②	Resin Washer	PA	Natural

[Applications]
- Switch boards, control equipment, distribution boards, etc.

RoHS	CAD	Item Code	Item Name	L_1	L_2	D_1	D_2	d	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	100-019-825	BRF-A3-6CR	8	6.5	12	8	M3	6	1	–
G	3D	100-019-823	BRF-A4-8CR	10	8	15	10	M4	13	1	–
G	3D	100-019-822	BRF-A4-13CR		13				14	1	–
G	3D	100-019-821	BRF-A5-7CR		7.5		12	M5		1	–
G	3D	100-019-820	BRF-A5-12CR		12.5				15	1	–

QUICK RELEASE LATCH DIGEST Panel fasteners with latch also available.

Flush Slam Latch LC-65A 1



[Application Example]



Quick Release Latch With Locking LC-PK32, LC-PL32 Snap-in Installation 2

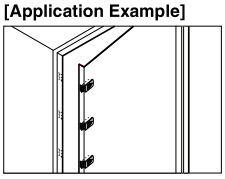


LC-PK32-L-BL LC-PL32-GR LC-PL32-L-GR (sold separately) LC-PK32-K (sold separately)

Quick Release Latch SX-48 Snap-in Installation & Temporary Holding 3

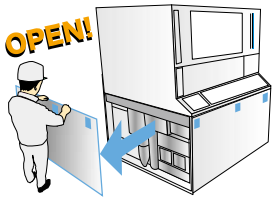


[Application Example]



[Application Example]

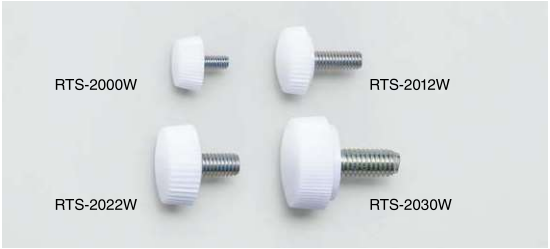
Three latches can be released by one person.



Refer to 1 : P.696, 2 : P.698, 3 : P.697

KNOB FASTENER RTS-W (New Model of the UN)

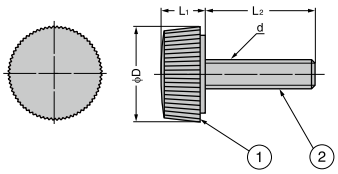
The previous model "UN" has been discontinued.
New model is the "RTS" which has a plastic knob.



No.	Part Name	Material	Finish / Colour
①	Knob	Polyamide (PA)	White
②	Screw	Steel (SWCH)	Coloured Zinc Chromate (Trivalent)

●Specified screw length within allowable dimension range available by made to order.
In this case, minimum order quantity is 5000~10000 pcs.

[Applications]
●Switch boards, control equipment, distribution boards, etc.



Sold in packs.

RoHS	CAD	Item Code	Item Name	L1	L2	D	d	Pack (pcs)	Box (pack)	Carton (pack)
G	3D	120-046-675	RTS-2000W-P100	6	6	11	M3	100	10	–
G	3D	120-046-676	RTS-2003W-P100		16			100	10	–
G	3D	120-046-677	RTS-2006W-P100		8		M4	100	10	–
G	3D	120-046-678	RTS-2007W-P100		12			100	10	–
G	3D	120-046-679	RTS-2008W-P100		16			100	10	–
G	3D	120-046-680	RTS-2010W-P100	7	8	14		100	5	–
G	3D	120-046-681	RTS-2011W-P100		10			100	5	–
G	3D	120-046-682	RTS-2012W-P100		12			100	5	–
G	3D	120-046-683	RTS-2013W-P100		16			100	5	–
G	3D	120-046-684	RTS-2016W-P100		9		M5	100	5	–
G	3D	120-046-685	RTS-2017W-P100		15			100	5	–
G	3D	120-046-686	RTS-2018W-P100		27			100	5	–
G	3D	120-046-687	RTS-2022W-P100	8	9	17		100	5	–
G	3D	120-046-688	RTS-2026W-P100		12		M6	100	5	–

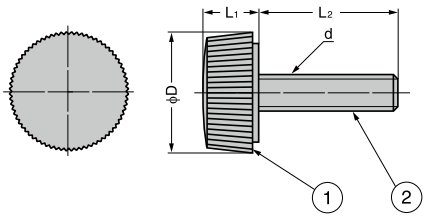
KNOB FASTENER RTS-B (New Model of the UN)

The previous model "UN" has been discontinued.
New model is the "RTS" which has a plastic knob.



●Specified screw length within allowable dimension range available by made to order.In this case, minimum order quantity is 5,000~10,000 pcs.

[Applications]
●Switch boards, control equipment, distribution boards, etc.



No.	Part Name	Material	Finish / Colour
①	Knob	Polyamide (PA)	Black
②	Screw	Steel (SWCH)	Coloured Zinc Chromate (Trivalent)

Sold in packs.

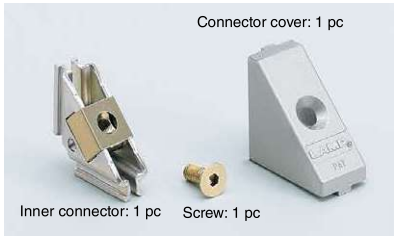
RoHS	CAD	Item Code	Item Name	L1	L2	D	d	Weight (g)	Pack (pcs)	Box (pack)	Carton (pack)
G	3D	120-046-689	RTS-2000B-P100	6	6	11	M3	1	100	10	–
G	3D	120-046-690	RTS-2003B-P100		16			1	100	10	–
G	3D	120-046-691	RTS-2006B-P100		8		M4	2	100	10	–
G	3D	120-046-692	RTS-2010B-P100	7		14		2	100	5	–
G	3D	120-046-693	RTS-2011B-P100		10			2	100	5	–
G	3D	120-046-694	RTS-2013B-P100		16			3	100	5	–

CORNER CONNECTOR PJ One-touch Connector Post-installation Type



- Used for easily installing single-groove aluminium frames to each other.
- Conductive type and standard type are available.
- Can be directly installed to the desired position (see installation procedure below).
- Easy connection of aluminium frames with one screw.
- Unique installation system shortens working time.
- Widely applied to various aluminium frames.
- Only 3 parts.
- PJ-80HA and PJ-100HA can be used to install 5mm panel by changing the direction of connector cover (choose the type with screw hole).
- Clean appearance.

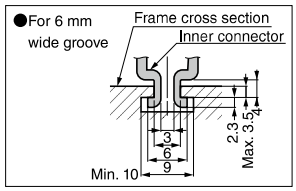
[Parts]

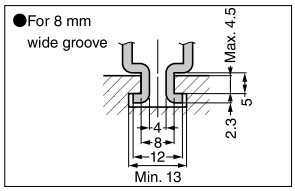


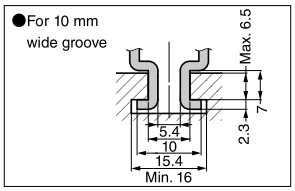
[Remarks]

- Aluminium frames to be connected shoud be of the same size and shape.
- Applicable frame size is for reference. Please check with actual item.
- Recommended tightening torque varies depending on installation conditions. Determine torque value by test before use.
- Conductive type cannot guarantee perfect conduction.In addition, reusing corner connector may cause poor conductivity. Please make conductivity check after assembly.
- The failure load in the table below is the static load when the corner connector is damaged and the aluminium frames dropped out by the “Failure load test method”. It does not guarantee the strength.

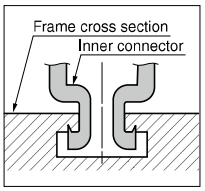
[Applicable Frame Reference Dimensions]



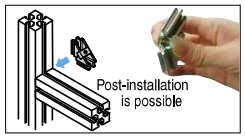




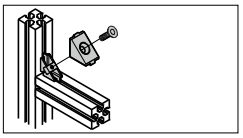
[Conductive Type Cutaway View]



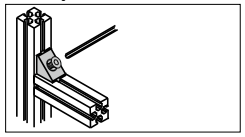
[Installation]



1. As show in the figure, fit the Inner connector into the groove of the aluminium frame.

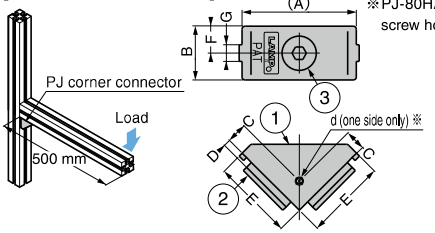


2. Put the connector cover on the Inner connector.



3. Tighten with the supplied mounting screw.

[Failure load Test Method]



※PJ-80HA and PJ-100HA have screw holes on both sides.

No.	Part Name	Material	Finish
①	Connector cover	Aluminium Alloy (ADC)	Silver Enamel Finish
②	Inner connector	Steel	Coloured Zinc Chromate (Trivalent)
③	Hexagon Socket Countersunk Head Screw		Nickel

[Conductive Type]

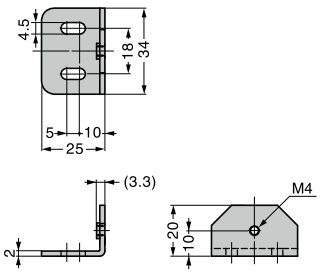
RoHS	CAD	Item Code	Item Name	d	Groove Width	A	B	C	D	E	F	G	③Size	Recommended Tightening Torque N·m	Recommended Tightening Torque kgf·cm	Failure Load N	Failure Load kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-012-423	PJ-60AE	w/o	For 6 mm	55	22	10	1~3	39	11	6	M6×16	6	61.2	284	29	69	40	240
G	3D	120-012-424	PJ-60ATE	M4														67	40	240
G	3D	120-012-425	PJ-80AE	w/o	For 8 mm		26		1.5~4.5		13	8	M8×16	13	133	392	40	82	35	210
G	3D	120-012-426	PJ-80ATE	M4														83	35	210

[Standard Type]

RoHS	CAD	Item Code	Item Name	d	Groove Width	A	B	C	D	E	F	G	③Size	Recommended Tightening Torque N·m	Recommended Tightening Torque kgf·cm	Failure Load N	Failure Load kgf	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-041-251	PJ-60A	w/o	For 6 mm	55	22	10	1~3	39	11	6	M6×16	6	61.2	284	29	67	40	240
G	3D	120-041-250	PJ-60AT	M4														67	40	240
G	3D	120-041-253	PJ-80A	w/o	For 8 mm		26		1.5~4.5		13	8	M8×16	13	133	392	40	81	35	210
G	3D	120-041-252	PJ-80AT	M4														82	35	210
G	3D	120-040-557	PJ-80HA	M5		57	25	12	1.5~4.7	40	15	10	M6×18	6	61.2			80	35	210
G	3D	120-040-558	PJ-100HA		For 10 mm	71	32.5		4.5~7	50			M8×25	13	133	833	85	165	15	90

PANEL FIXING MIDDLE BRACKET AS-PTB





- Used for preventing panel flapping when installed to aluminium frame.
- For corner connector PJ type with screw hole.
- AS parts set for installing to aluminium frame also available. Content of the parts set is as follows.

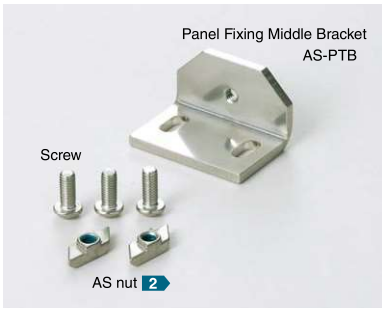
[Remarks]

- Mounting screws not included when ordering single bracket. Please prepare mounting screws of appropriate length according to aluminium frames.

RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	210-010-541	AS-PTB	Stainless Steel (SUS430)	Barrel Polishe	20	50	400

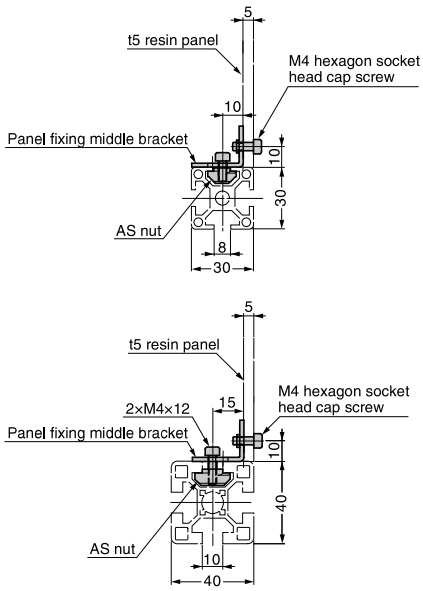
Parts Set for Installing to Aluminium Frame

Please refer to the series introduction page 1 for details about AS series.

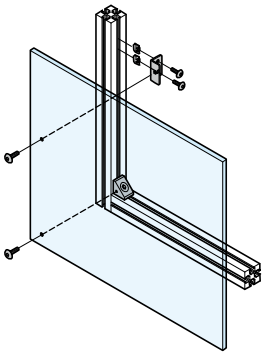




[Dimensions]



[Installation]



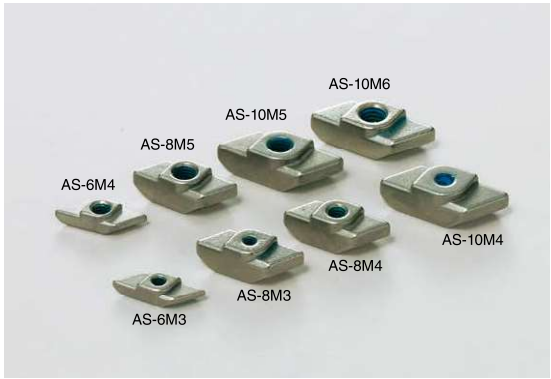
[AS Parts Set] Parts set of screws and AS nuts

RoHS	CAD	Item Code	Item Name	Aluminium Frame	Parts	Weight (set)
G	–	210-041-815	AS-PTB-30-6	30×30 Groove Width 6 mm	Panel Fixing Middle Bracket AS-PTB : 1 pc AS Nut AS-6M4 : 2 pcs M4×10 Hexagon Socket Head Cap Screw : 3 pcs	29
G	–	210-041-816	AS-PTB-40-8	40×40 Groove Width 8 mm	Panel Fixing Middle Bracket AS-PTB : 1 pc AS Nut AS-8M4 : 2 pcs M4×12 Hexagon Socket Head Cap Screw : 2 pcs M4×10 Hexagon Socket Head Cap Screw : 1 pc	34
G	–	210-041-817	AS-PTB-30-8	30×30 Groove Width 8 mm	Panel Fixing Middle Bracket AS-PTB : 1 pc AS Nut AS-8M4 : 2 pcs M4×10 Hexagon Socket Head Cap Screw : 3 pcs	35
G	–	210-041-818	AS-PTB-40-10	40×40 Groove Width 10 mm	Panel Fixing Middle Bracket AS-PTB : 1 pc AS Nut AS-10M4 : 2 pcs M4×12 Hexagon Socket Head Cap Screw : 2 pcs M4×10 Hexagon Socket Head Cap Screw : 1 pc	40

Refer to 1 : P.20, 2 : P.526

STAINLESS STEEL AS NUT Post-installation Type

AS SUS316

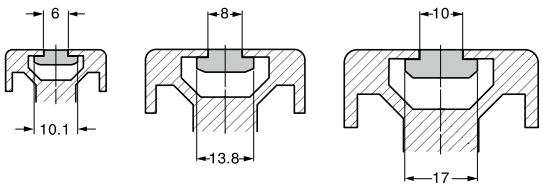


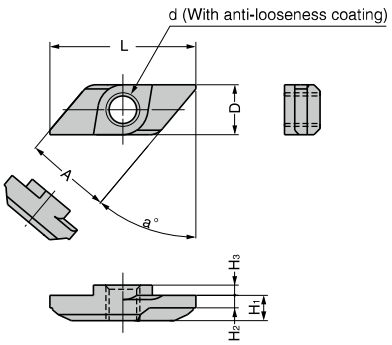
- Used for fixing a part to aluminium frame and makes post-installation possible.
- With coating to prevent looseness of screw.
- Can fix aluminium frame and hardware securely.
- Improved work efficiency with few installation mistakes.
- Widely applied to various aluminium frames.
- Refer to the product page 1 for details on AS series.

[Remarks]

- Install with the recommended tightening torque. AS nut not included in the parts set of AS series (for installing to aluminium frame).
- The effect of anti-looseness coating weakens when used repeatedly. Please use at most 2~3 times as a guide.
- Mounting screws not included when ordering single AS nut. Please prepare mounting screws of appropriate length according to aluminium frames.

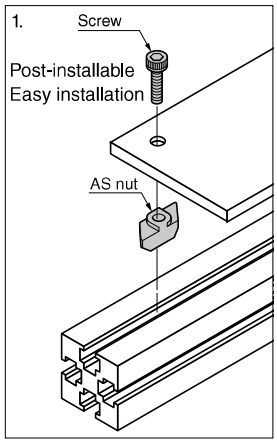
[Applicable Groove Width]



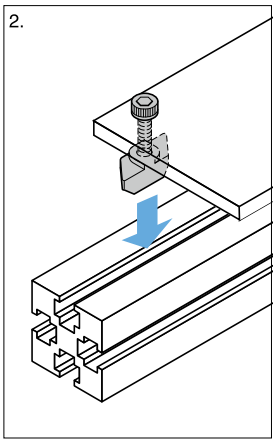


RoHS	CAD	Item Code	Item Name	Type	d	L	D	A	H_1	H_2	H_3	a	Material	Finish	Recommended Tightening Torque N·m	Recommended Tightening Torque kgf·cm	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	120-040-676	AS-6M3	For 6 mm Groove	M3	17.3	5.9	10.1	3	1.5	1.2	40	Stainless Steel (SUS316)	Barrel Polished	0.63~1.14	6.4~11.6	1.9	1000	10000
G	3D	120-040-684	AS-6M4		M4										1.5~2.7	15.3~27.5	1.3	1000	10000
G	3D	120-040-677	AS-8M3	For 8 mm Groove	M3	20	7.9	13.8	6	3	1.5	32			0.63~1.14	6.4~11.6	4.3	500	3000
G	3D	120-040-685	AS-8M4		M4										1.5~2.7	15.3~27.5	4.1	500	3000
G	3D	120-040-686	AS-8M5		M5										3~5.4	30.6~55.1	3.9	500	3000
G	3D	120-040-678	AS-10M4	For 10 mm Groove	M4	24	9.8	17			1.8				1.5~2.7	15.3~27.5	7	250	1500
G	3D	120-040-687	AS-10M5		M5										3~5.4	30.6~55.1		250	1500
G	3D	120-040-679	AS-10M6		M6										5.2~9.2	53~93.8	6	250	1500

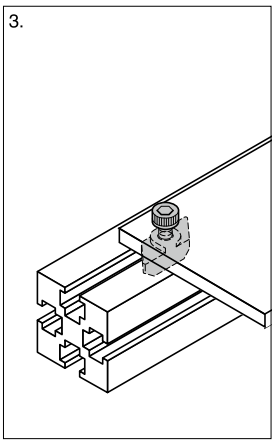
[Installation]



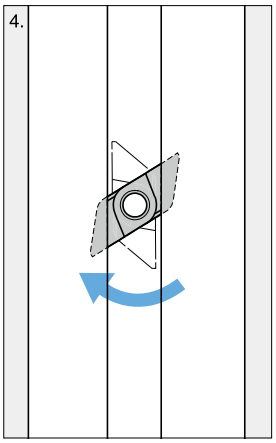
1. Temporarily fix the AS nut to the functional hardware with mounting screw.



2. Insert the AS nut into the groove of the aluminium frame.



3. Make sure that the AS nut is in the groove, and then tighten the screw.



4. When tightening the screw, AS nut rotates and is caught on the aluminium frame and fixes the functional hardware securely.

Refer to 1 : P.20

Understandable! Selectable! Usable!

Sugatsune Website

https://global.sugatsune.com/

You can visit the website to

- Check new product information
- View product introduction video
- Browse digital web catalogue
  Refer to Back Cover
- Use product selection tool
  Refer to Back Cover
- Download installation instructions

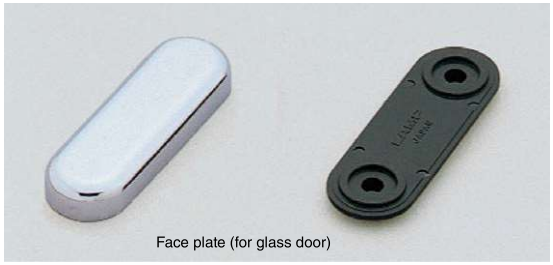
SUGATSUNE Search

DAMPER CATCH DC

L=R INSTRUCTION TEMPERED GLASS



※Face plate (below) is included for glass door



- For swing doors.
- Suitable for both right and left opening.
- Four models available depending on door specification, installation method, weight and size.
- DC-90 is installed vertically to the front of cabinet, not interfering with storage.
- DC-100 can be positioned simply by pressing the body against the top board bottom and aligning it with the cabinet edge.

Video Link

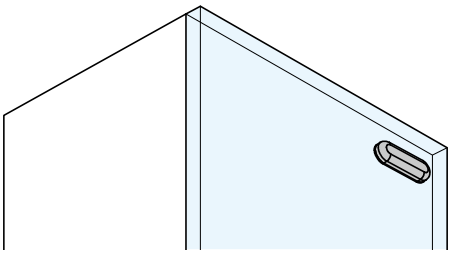
[Remarks]

- Screws are not included for installing to sheet metal (recommended screw: truss head screw M4).

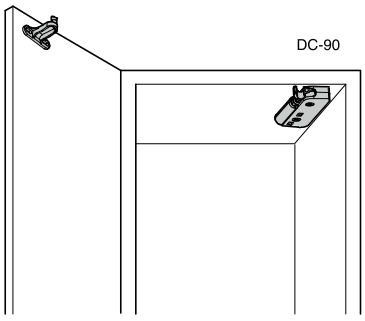
[Parts Included]

- Truss head tapping screw 4×30
- Truss head tapping screw 4×16
- Truss head screw 4×12 (Only included in DC-90G, DC-100G)
- Counter plate Jig
- Face plate (Only included in DC-90G, DC-100G)

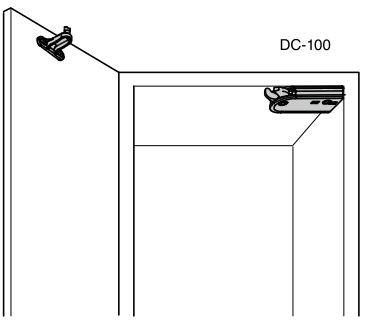
[Face Plate Installation]



[Installation]

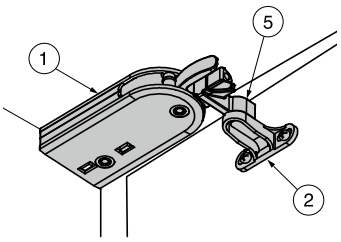


Installing vertically to the cabinet door.



Installing horizontally to the cabinet door.

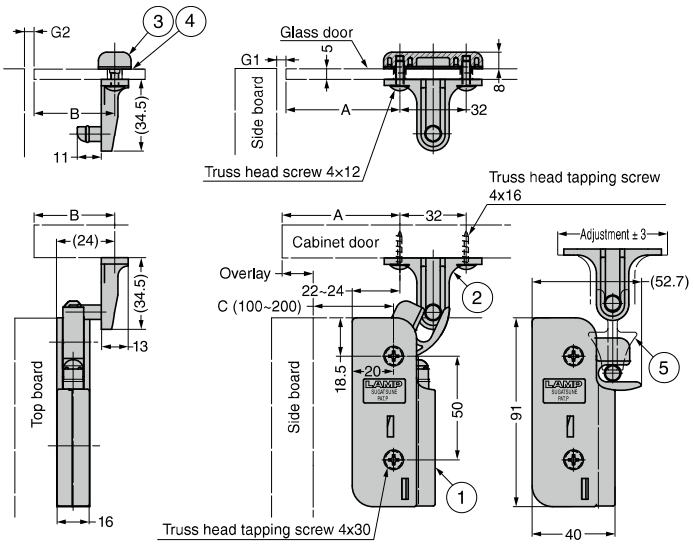
[Counter Plate Installation]



If installing jig ⑤ to body ① as shown in the figure, the installation position of counter plate ② on the door is determined. (View from the inside of door)

RoHS	CAD	Item Code	Item Name	Type	Door Width	Door height	Glass Thickness	Door Weight kg	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	140-021-697	DC-90	–	Max. 450	Max. 600	–	Max. 4	46	25	200
G	3D	140-021-698	DC-90G	For Glass Door			5		71	25	200
G	3D	140-021-699	DC-100	–	Max. 600	Max. 800	–	Max. 7	66	25	200
G	3D	140-021-700	DC-100G	For Glass Door			5		91	25	200

[DC-90]

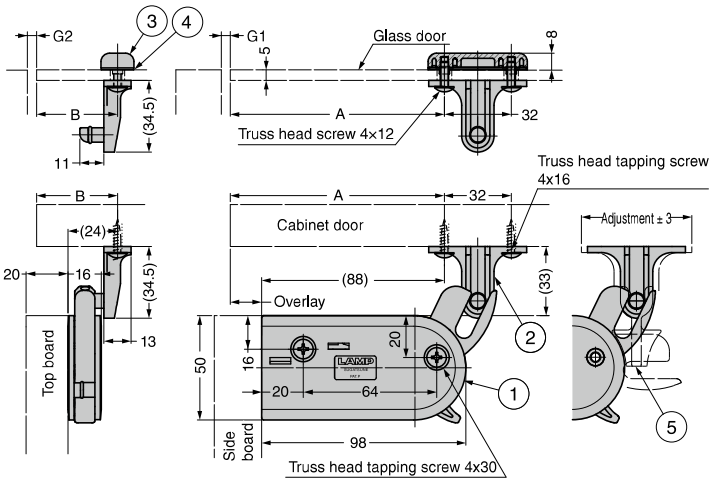


[Counter Plate Installation Position for DC-90]

	A	B
Inset Door	C-G1+3	24-G2
Overlay Door	C+Overlay+3	Overlay+24

※For inset door, please shift the installation position of body away from cabinet edge to the inside by the door thickness.

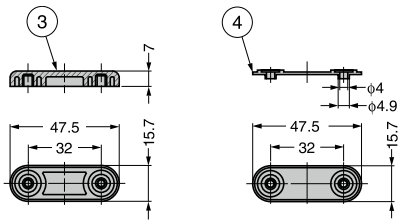
[DC-100]



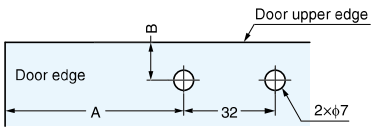
[Counter Plate Installation Position for DC-100]

	A	B
Inset Door	88-G1	24-G2
Overlay Door	Overlay+88	Overlay+24

※For inset door, please shift the installation position of body away from cabinet edge to the inside by the door thickness.



[Cut Out Dimensions for Glass Door]



No.	Product Name	Material	Finish / Colour
①	Body	POM /PBT	Dark Grey/Light Grey
②	Counter Plate	POM	Dark Grey
③	Face Plate	Zinc Alloy (ZDC)	Chrome
④	Spacer	ABS	Black
⑤	Jig	PBT	Light Grey

DAMPER CATCH DC-200

Lapcon L=R



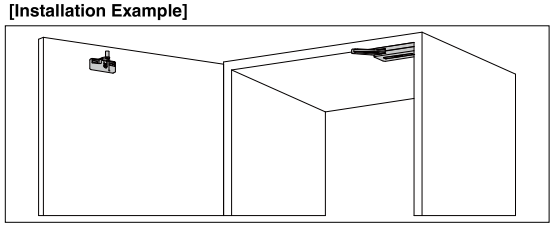
- Damper and catch combination for sideways opening doors.
- Prevents doors from slamming.
- Holds doors in closed position.
- Easy to install by simply aligning body with the interior wall.
- Non-handed.
- Can handle doors up to 40 kg. (When using DC-200 - 40).
- Strike can be adjusted post-installation: horizontally ±5 mm, vertically ±4 mm.
- Passed 50,000 open/close cycles in a private test.

[Recommended hinges]
- Heavy Duty Concealed Hinge J95 (With catch type)
- 3way Adjustable Concealed Hinge HES3D-90
- Single axis furniture hinges

[Caution]
- The screws for installing on sheet metal are not included. We recommend the following screws:
  Recommended screws for body: Cross binding head M4 × 30
  Recommended screws for counter plate: Cross binding head M4 × 15
- Do not install to body or strike to hollow surfaces.
- If there is a large resistant force during closing, the door may not close fully.

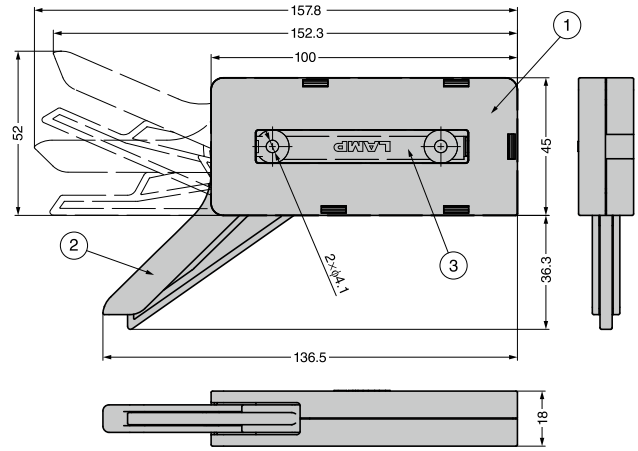
[Parts included]
- Body Cover
- Counter
- Screws to attach body: 3.5 × 30
- Screws to attach counter: 3.5 × 15

[Installation Example]

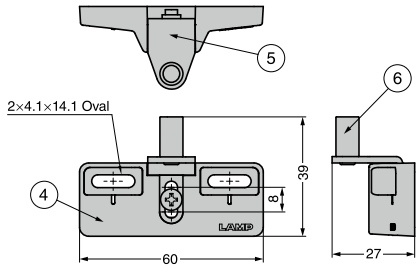


Attach to the interior of the cabinet.

[Body]



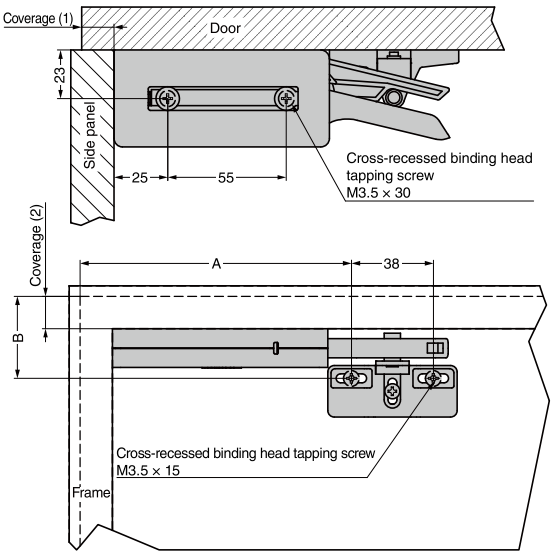
[Counter Plate]



No.	Item Name	Materials	Finish/Colour
①	Body	PC/ABS	White / Black
②	Arm	PA	White / Black
③	Body Cover	ABS	White / Black
④	Counter	PC/ABS	White / Black
⑤	Counter Plate	Steel (SPCC)	Nickel Plating
⑥	Bumper	Elastomer	Gray

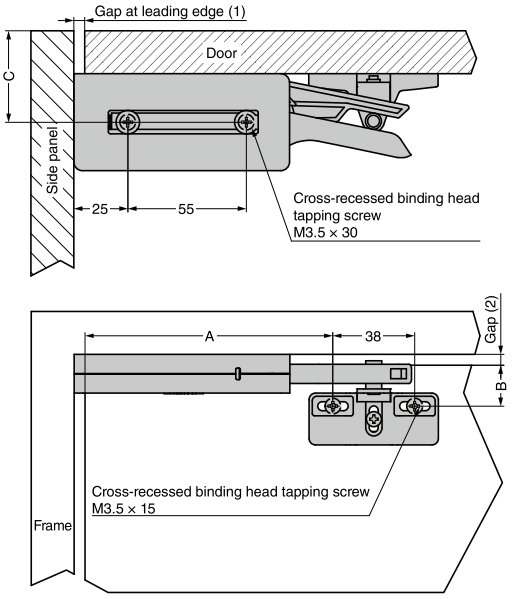
RoHS	CAD	Item Code	Item Name	Colour	Door Width	Door Height	Load Capacity (kg)	Weight (g)
G	3D	140-043-604	DC-200-25WT	White	450 - 900	Under 2400	7 - 25	105
G	3D	140-043-605	DC-200-25BL	Black				
G	3D	140-043-606	DC-200-40WT	White			25 - 40	
G	3D	140-043-607	DC-200-40BL	Black				

[For lapped (outset) doors]



[For inset doors]

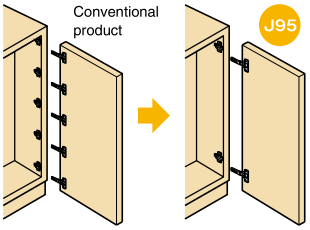
Install a door stopper in addition to this product.



	A	B	C
Outset Doors	114 + Coverage (1)	24 + Coverage (2)	
Inset Doors	114 - gap at leading edge (1)	24 - gap (2)	23+Door Thickness

HEAVY DUTY CONCEALED HINGE J95





Two pieces will do the job of five conventional hinges!

- A sliding hinge for heavy doors that can be used together with the DC-200 damper catch.
- Use the type with a catch **if using together** with the DC-200 damper catch.
- Supports large doors weighing up to 25 kg with 2 hinges or up to 40 kg with 3 hinges.
- Enables one-touch installation and removal of the door.
- Enables three-dimensional adjustment of the door. (+1.5 mm/-2.5 mm forward/back, ±3 mm up/down, +0 mm/ -4 mm coverage adjustment [left/right])
- Streamlined design free of protrusions such as adjustment screws on the body top. To ensure safety, the lock lever does not protrude from the back of the body.

LAPCON DOOR DAMPER LDD-S,LDD-V





LDD-S

- A damper for doors (fixtures).
- Enables the door to be opened with less force than with door closers.





LDD-V

- Supports doors weighing up to 40 kg.
- Contact us if your door is wider than 900 mm.

DOOR DAMPER LDD-V

Lapcon INSTRUCTION



LDD-V-R (right-handed) shown. LDD-V-L (left-handed) is symmetrical.

- Damper body is completely hidden when the door is closed.
- Damper and door pull-in functions work just before the door fully closes, preventing the door from slamming shut.
- Door can be opened more easily as compared with door closer.
- Damper force can be switched between two levels.
- Counter plate is 3-way adjustable.
- Surface mount door damper LDD-S 1 also available.

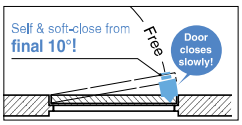
[Parts Included]

- Binding head tapping screw 4×45
- Binding head tapping screw 3.5×20



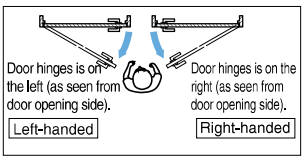
Door damper is completely hidden when the door is closed. (Picture: right-handed)

[Door Movement]

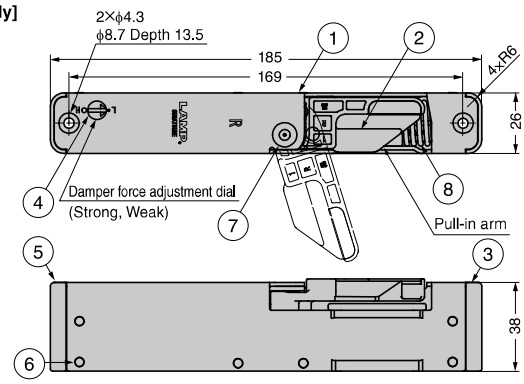


LDD-V-R (right-handed) shown.
LDD-V-L (left-handed) is symmetrical.

[Door Hinge Side]

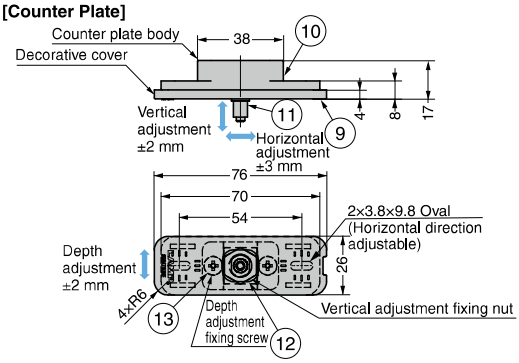


[Body]



Video Link Video Link Video Link

[Counter Plate]



No.	Part Name	Material	Finish / Colour
①	Body Case	Steel (SPCC)	Clear Zinc Chromate
②	Arm	POM	Grey
③	Spring Base		
④	Damper Force Adjustment Shaft		
⑤	Damper Base		
⑥	Countersunk Hollow Pin	Steel (SWCH)	Clear Zinc Chromate
⑦	Shoulder Shaft	Steel (SUM)	Nickel
⑧	Spring	Steel (SWP)	Clear Zinc Chromate
⑨	Counter Plate Cover	POM	Grey
⑩	Counter Plate Case		
⑪	Counter Plate Shaft	Steel (SUM)	Nickel
⑫	Vertical Adjustment Screw	Steel (SWRCH)	Clear Zinc Chromate
⑬	Depth Adjustment Screw	Steel (SWCH)	

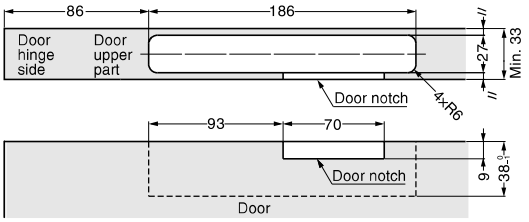
※Refer to 2 for the cut out dimensions, installation and safety cautions.

RoHS	CAD	Item Code	Item Name	Type	Door Width	Door Thickness	Door Weight kg	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	270-017-563	LDD-V-R	Right-handed	Max. 900	Min. 33	15~40	427	1	24
G	3D	270-017-564	LDD-V-L	Left-handed				427	1	24

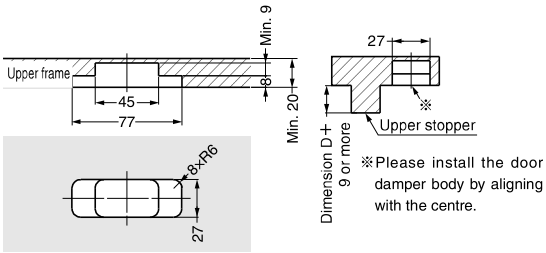
Refer to 1 : P.536, 2 : P.533

[Cut Out Dimensions] Door Damper Body

Figure below is for LDD-V-R (right-handed). LDD-V-L (left-handed) is symmetrical.



[Cut Out Dimensions] Counter Plate



The installation position of counter plate from door hinge side varies depending on the hinges used.

[Dimension A from Side Frame at Hinge Side to Counter Plate Centre]

Door Hinge	Clearance B Between Side Frame at Hinge Side and Door				
	1	2	3	4	5
HES3D-120	220	221	222	223	224
HES3D-E160 HES3D-E190	221	222	223	224	225
HES3D-V135LGR	218	219	220	221	222
Butt Hinges	224	225	226	227	228

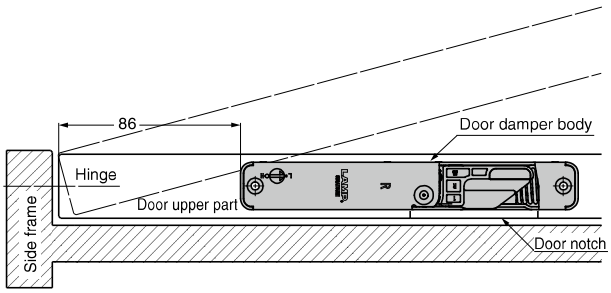
※If the clearance between the side frame at hinge side and the door is beyond the range of the above table, calculate as per the table below.

Door Hinge	Dimension A from side frame at hinge side to counter plate centre
HES3D-120	219+Clearance B Between Side Frame at Hinge Side and Door
HES3D-E160 HES3D-E190	220+Clearance B Between Side Frame at Hinge Side and Door
HES3D-V135LGR	217+Clearance B Between Side Frame at Hinge Side and Door
Butt Hinges	223+Clearance B Between Side Frame at Hinge Side and Door

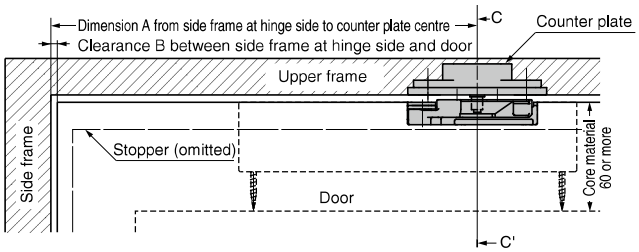
※ Refer to 1 for 3-way adjustable concealed hinge HES3D.

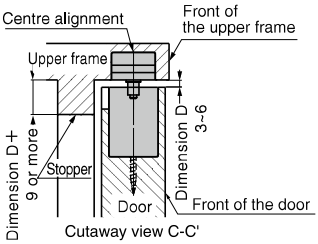
[Installation]

LDD-V-R (right-handed) shown. LDD-V-L (left-handed) is symmetrical.



The installation position of counter plate from door hinge side varies depending on the hinges used.





Embed the door damper body into the upper edge of the door and the counter plate into the upper frame.

Safety Cautions

- **Do not drop or give strong impact to this product.**
- This product can not resist strong wind. Do not use under strong wind, or the damper effect will decrease.
- If you close the door with excessive force, the damper effect may decrease.
- The door may not close enough depending on the case lock used.
- This product is designed for interior use. Do not use it outdoors.
- Do not use it at places subject to moisture and water.
- At the entrance of highly airtight room, the door closing speed and damper force may change, and the door may not close enough.
- The closing speed varies depending on the use environment (temperature, wind and hinges used on the door, etc.). Operating temperature: 0℃ ~ 40℃ .
- Do not apply a load in the vertical direction or excessive force to pull-in arm. Otherwise, it may be damaged.
- Please install and adjust this product after adjusting the door hinges.
- Please use the door hinges within the adaptive door weight range of this product.
- Please install this product horizontally.Otherwise, it may not operate properly.
- After vertical adjustment of counter plate, tighten the fixing nut firmly.
- This product is supplied with installation instruction. Be sure to read before installation or use.
- Regularly check for looseness or dropout of screws during use.

Refer to 1 : P.152

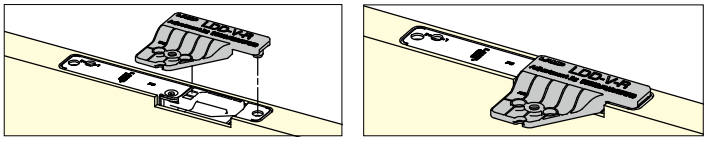
ADJUSTMENT JIG FOR COUNTER PLATE OF LDD-V LDD-V-JIG



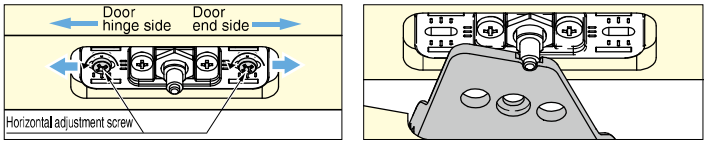
- For Lapcon door damper LDD-V 1 only.
- Used for adjusting the counter plate position of LDD-V.

[How to Use]

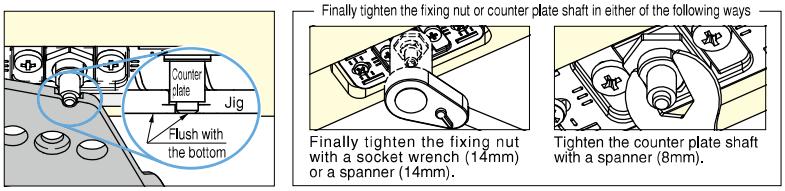
●1. Install the adjustment jig
①Fit the adjustment jig firmly into the body.
※Right-handed and left-handed available.
※Be sure to adjust the counter plate position after adjusting the installation position of the hinges.



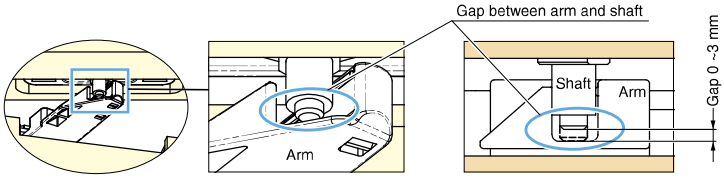
●2. Horizontally adjust the counter plate
①Loosen the horizontal adjustment screws.
②While holding the adjustment jig by hand, slowly close the door and align the counter plate shaft with the groove.
③Tighten the horizontal adjustment screws.



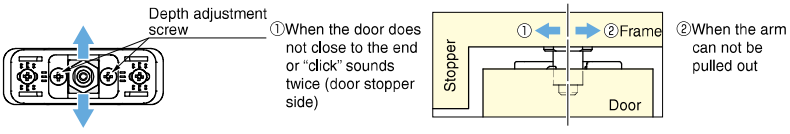
●3. Vertically adjust the counter plate
①Loosen the fixing nut.
②While holding the adjustment jig by hand, slowly close the door and align the top of counter plate shaft with the bottom of jig.
③Tighten the fixing nut or the counter plate shaft firmly.



●4. Check
①When removing the jig and closing the door slowly to the end, “click” sounds once.
※If the door does not close to the end or “click” sounds twice, perform depth adjustment.
②When opening the door, “click” sounds once, and the arm is pulled out.
※If the arm can not be pulled out, perform depth adjustment.
③Check if the clearance between the arm and the counter plate shaft is appropriate.



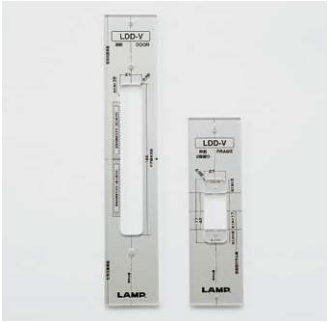
※Depth adjustment of the counter plate (adjustment jig LDD-V-JIG can not be used for depth adjustment).
①Loosen the depth adjustment screws.
②Align the centre of the counter plate shaft with that of the door thickness.
③Tighten the depth adjustment screws.



RoHS	CAD	Item Code	Item Name	Type	Material	Colour	Weight (g)	Box (pcs)	Carton (pcs)
G	–	270-025-276	LDD-V-R-JIG	Right-handed	ABS	Orange	11	500	–
G	–	270-025-275	LDD-V-L-JIG	Left-handed			11	500	–

Refer to 1 : P.532

TEMPLATE FOR LDD-V LDD-V-TMP



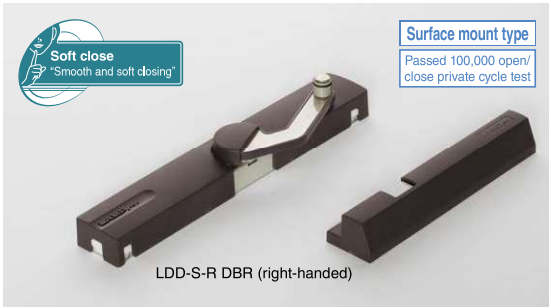
- Easy to make mortise on wood door and frame for LDD-V 1 .
- Possible to use repeatedly.
- Two templates included: for door & frame.
- Recommended working tool is a straight bit with guide bearings of which guide diameter and bit diameter are the same.

RoHS	CAD	Item Code	Item Name	Material	Colour	Weight (g)	Box (pcs)	Carton (pcs)
G	–	270-024-568	LDD-V-TMP	Methacrylic Resin (PMMA)	Clear	194	1	50

Refer to 1 : P.532

DOOR DAMPER LDD-S

Lapcon INSTRUCTION



LDD-S-R DBR (right-handed)

- Surface mount type.
- Easy to determine installation position.
- Counter plate position and pull-in force (catching force) adjustable after installation.
- Unobtrusive design: damper unit is only 20mm high, easily fits most door frames.
- Self & soft-close from final 15°. Door starts to close slowly from a earlier position compared with conventional products, reducing the load applied on the hinges.
- Door can be opened more easily as compared with door closer.
- Self & soft-close function can be turned off when the arm is pulled in with door opened. (When the arm is pulled out, self & soft-close function can be turned on again.)
- Concealed type door damper LDD-V 1 also available.

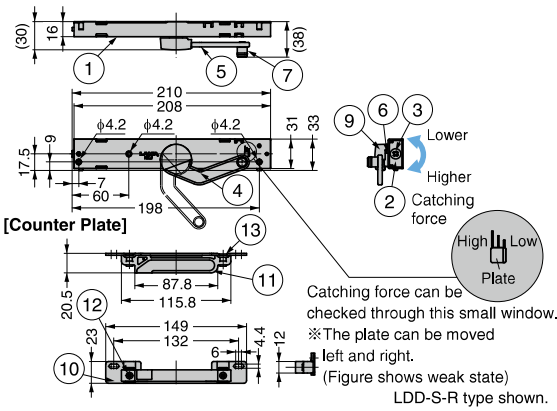




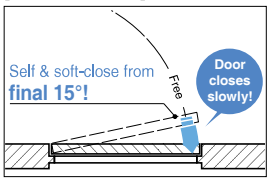
When opening, the arm comes off from the counter plate and the door can rotate freely!

[Specifications]
- Passed 100,000 open/close private cycle test.

[Parts Included]
- Countersunk head tapping screw 3.5×30
- Binding head tapping screw 4×16

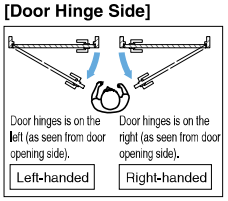


[Door Movement]



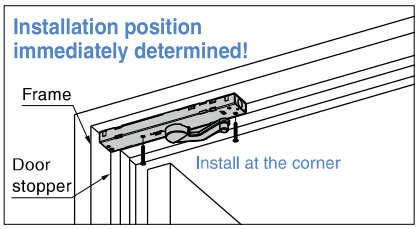
Right-handed type shown.Left-handed type is symmetrical.

[Door Hinge Side]



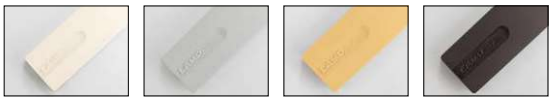
Video Link

[Easy to Install and Adjust]



Video Link

[Available Colours]

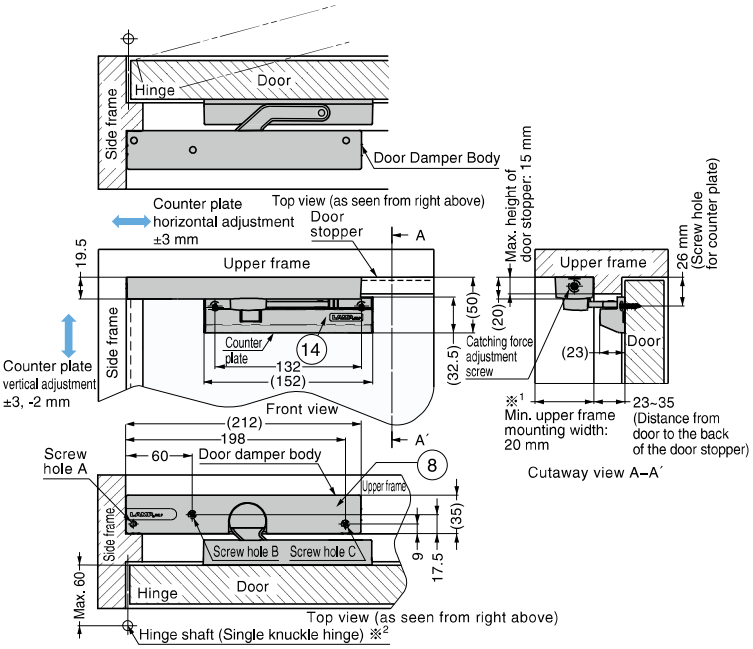

White　Light grey　Light brown　Dark brown

No.	Part Name	Material	Finish / Colour
①	Case	Steel (SGCC)	Chromate
②	Block	POM	Natural
③	Catching Force Adjustment Screw	Steel	Chromate
④	Arm	Stainless Steel (SUS304)	Plain
⑤	Arm Spacer	POM	See Below
⑥	Arm Axis	Zinc Alloy (ZDC)	Chromate
⑦	Roller	POM	Grey
⑧	Body Cover 2	ABS	See Below
⑨	Arm Cover		
⑩	Counter Plate	Steel (SPCC)	Chromate
⑪	Guide	Zinc Alloy (ZDC)	
⑫	Screw	Steel (SWCH)	Nickel
⑬	Nut	Steel (SPCC)	
⑭	Counter Plate Cover 2	ABS	See Below

RoHS	CAD	Item Code	Item Name	Colour	Type	Door Width	Door Weight kg	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	270-018-984	LDD-S-RWT	White	Right-handed	Max. 900	15~40	550	1	20
G	3D	270-018-985	LDD-S-LWT		Left-handed			550	1	20
G	3D	270-018-986	LDD-S-RLGR	Light Grey	Right-handed			550	1	20
G	3D	270-018-987	LDD-S-LLGR		Left-handed			550	1	20
G	3D	270-018-988	LDD-S-RLBR	Light Brown	Right-handed			550	1	20
G	3D	270-018-989	LDD-S-LLBR		Left-handed			550	1	20
G	3D	270-018-990	LDD-S-RDBR	Dark Brown	Right-handed			550	1	20
G	3D	270-018-991	LDD-S-LDBR		Left-handed			550	1	20

Refer to 1 : P.532, 2 : P.537

[Installation]



※1 Top view above is for the upper frame mounting width above 25mm.When the distance from door to the back of the door stopper is 20mm~25mm, please use the screw hole A and C.
※2 Refer to 1 for 3-way adjustable concealed hinge HES3D. ※Can not be used with HES3D-90 2.

Refer to 1 : P.152, 2 : P.161

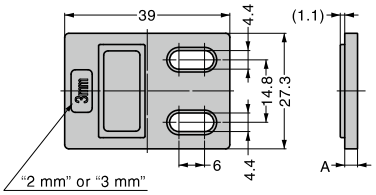
Safety Cautions

- **Do not drop or give strong impact to this product.**
- This product can not resist strong wind.Do not use under strong wind, or the damper effect will decrease.
- If you close the door with excessive force, the damper effect may decrease.
- The door may not close enough depending on the case lock used.
- This product is designed for interior use.Do not use it outdoors.
- Do not use it at places subject to moisture and water.
- At the entrance of highly airtight room, the door closing speed and damper force may change, and the door may not close enough.
- The closing speed varies depending on the use environment (temperature, wind and hinges used on the door, etc.). Operating temperature: 0℃ ~ 40℃ .
- Do not apply a load in the vertical direction or excessive force to pull-in arm. Otherwise, it may be damaged.
- Please install and adjust this product after adjusting the door hinges.
- Please use the door hinges within the adaptive door weight range of this product.
- This product is supplied with installation instruction.
  Be sure to read before installation or use.
- Regularly check for looseness or dropout of screws during use.

SPACER FOR LDD-S LDD-S-P

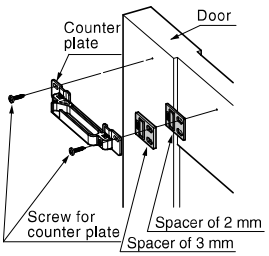


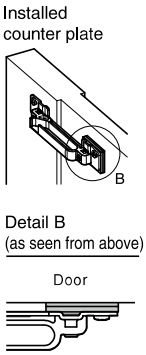
- For Lapcon door damper LDD-S 1.
- Used when installing LDD-S to a door with gap.
- Two types available: 2mm thickness and 3mm thickness.
- Two spacers can be used in combination for gaps of 4, 5, 6mm.
- Counter plate of LDD-S adjustable vertically and horizontally with the spacer installed.



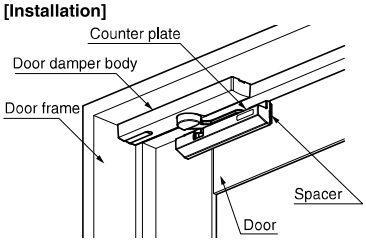
[Installation] In case of 5mm thickness gap

- Place the counter plate spacer on the gap part of the door and pinch it with the counter plate.



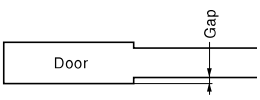


[Installation]



[Remarks Before Installation]

- Check the gap of the door surface and choose the suitable spacer (combination of spacers).

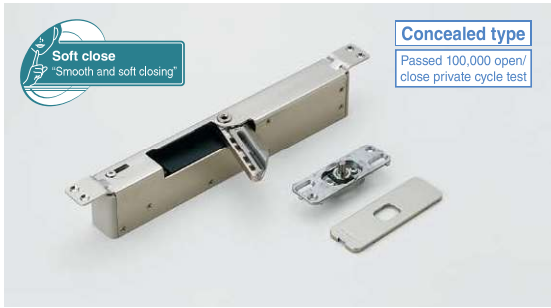


Refer to 1 : P.536

RoHS	CAD	Item Code	Item Name	Material	Colour	A	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	270-021-019	LDD-S-P2BL	ABS	Black	2	1.8	100	1000
G	3D	270-021-020	LDD-S-P3BL			3	2.8	100	1000

DOOR DAMPER LDD-V100

Lapcon INSTRUCTION



LDD-V100-NI-L shown.



Counter plate cover (Nickel/Dark brown)

reddot award 2019 winner

DESIGN AWARD 2019

Video Link

Video Link

- Unique door damper applicable to door weight up to 100 kg.
- Suitable for door weight 40~100 kg.
- Damper body is completely hidden when the door is closed.
- Damper and door pull-in functions work just before the door fully closes, preventing the door from slamming shut.
- Door can be opened more easily as compared with door closer.
- Damper force is adjustable.
- Counter plate is 3-way adjustable.
- iF Design Award winner 2019.
- Reddot Product Design winner 2019.
- Can be used with the following hinges.
  - HES3D-E190 1
  - HES3D-E160 2

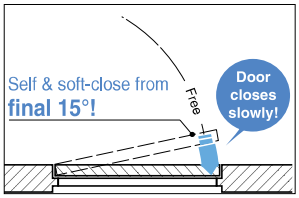
[Applications]

- Heavy duty interior door (shop, housing)

[Parts Included]

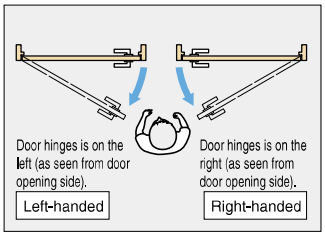
- Tapping screw 3.5×20
- Attachment Jig
- Cutout template

[Door Movement]

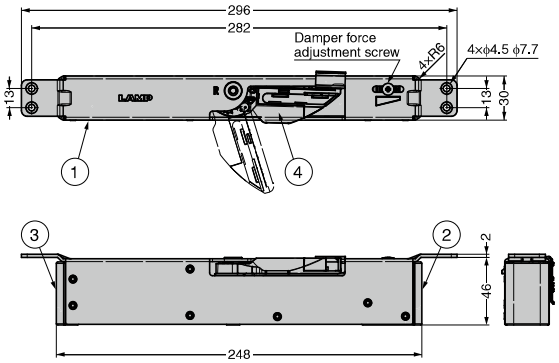


Right-handed type shown.Left-handed type is symmetrical.

[Door Hinge Side]

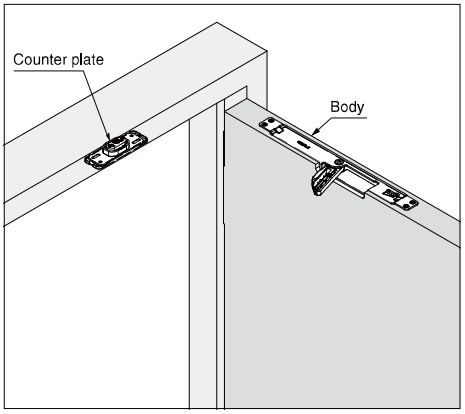


[Body]

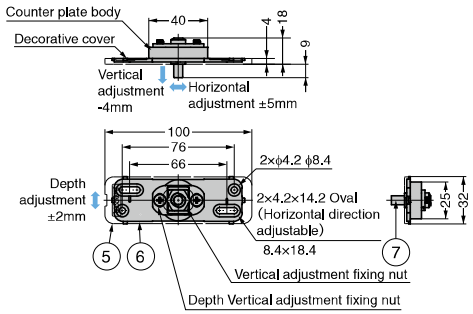


※Below drawing shows right-handed type. Left-handed type is symmetrica

●Installation



[Counter Plate]



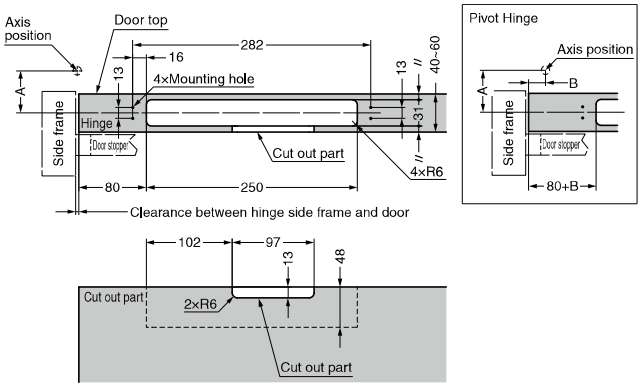
No.	Part Name	Material	Finish / Colour
①	Case	Steel (SPCC)	Nickel
②	Damper Base	POM	Grey
③	Spring Base	POM	Grey
④	Arm Cover	POM	Grey
⑤	Arm	Zinc Alloy (ZDC)	Nickel
⑥	Counter Plate Cover	ABS	Dark Brown/Nickel
⑦	Counter Plate Base	Zinc Alloy (ZDC)	–
⑧	Counter Plate Shaft	Steel (SUM)	Nickel

RoHS	CAD	Item Code	Item Name	Type	Counter Plate Cover	Door Width	Door Thickness	Door Weight (kg)	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	270-034-821	LDD-V100-DBR-R	Right-handed	Dark Brown	Max. 900	40~60	40~100	920	1	10
G	3D	270-034-822	LDD-V100-DBR-L	Left-handed					920	1	10
G	3D	270-034-823	LDD-V100-NI-R	Right-handed	Nickel				920	1	10
G	3D	270-034-824	LDD-V100-NI-L	Left-handed					920	1	10

Refer to 1 : P.156, 2 : P.157

[Cut Out Dimensions for Door]

LDD-V100-R (right-handed) shown. LDD-V100-L (left-handed) is symmetrical.



※Please use a door structure (core material) that can maintain sufficient strength even after cutting out.

Dimension from frame to bore position of counter plate (mm)

Door Hinge		Clearance Between Hinge Side Frame and Door (mm)				
		1	2	3	4	5
HES3D-E160, E190		217	218	219	220	221
Butt Hinge	A=20~35	220	221	222	223	224
	A=35~50	223	224	225	226	227
Pivot Hinge	A=20~35	220+B	221+B	222+B	223+B	224+B
	A=35~50	223+B	224+B	225+B	226+B	227+B

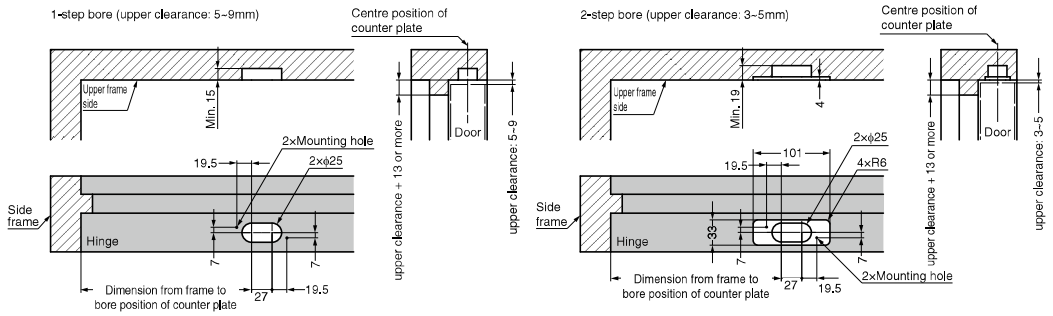
※If clearance between hinge side frame and door is beyond the range in the table above, calculate as per the table below.

Door Hinge		Dimension from Frame to Bore Position of Counter Plate (mm)
HES3D-E160, E190		216 + Clearance Between Hinge Side Frame and Door
Butt Hinge	A=20~35	219 + Clearance Between Hinge Side Frame and Door
	A=35~50	222 + Clearance Between Hinge Side Frame and Door
Pivot Hinge	A=20~35	219 + B + Clearance Between Hinge Side Frame and Door
	A=35~50	222 + B + Clearance Between Hinge Side Frame and Door

※ Refer to 1 for 3-way adjustable concealed hinge HES3D.

[Cut Out Dimensions for Frame]

LDD-V100-R (right-handed) shown. LDD-V100-L (left-handed) is symmetrical.



Safety Cautions

◆**Do not drop or give strong impact to this product.**

- This product can not resist strong wind. Do not use it under strong wind, or the damper effect will decrease.
- If you close the door with excessive force, the damper effect may decrease.
- The door may not close enough depending on the case lock used.
- This product is designed for interior use. Do not use it outdoors.
- Do not use it at places subject to moisture and water.
- At the entrance of highly airtight room, the door closing speed and damper force may change, and the door may not close enough.
- The closing speed varies depending on the use environment (temperature, wind and hinges used on the door, etc.). Operating temperature: 0℃ ~ 40℃
- Do not apply a load in the vertical direction or excessive force to pull-in arm. Otherwise, it may be damaged.
- Please install and adjust this product after adjusting the door hinges.
- Please use the door hinges within the adaptive door weight range of this product.
- Please install this product horizontally. Otherwise, it may not operate properly.
- After vertical adjustment of counter plate, tighten the fixing nut firmly.
- This product is supplied with installation instruction. Be sure to read before installation or use.
- Regularly check for looseness or dropout of screws during use.

Refer to 1 : P.152

Understandable! Selectable! Usable!

Sugatsune Website

https://global.sugatsune.com/

You can visit the website to

- Check new product information
- View product introduction video
- Browse digital web catalogue Refer to Back Cover
- Use product selection tool Refer to Back Cover
- Download installation instructions

SUGATSUNE Search