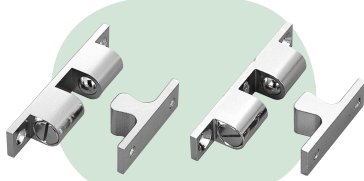


SECTION 7

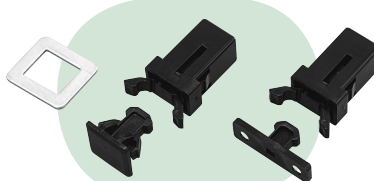
Catches MNC

7

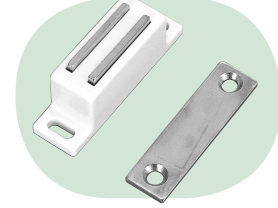




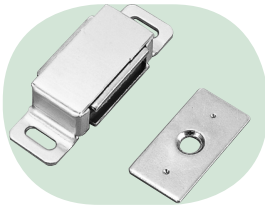
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7-7



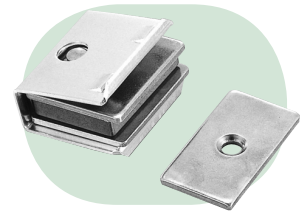
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7-8



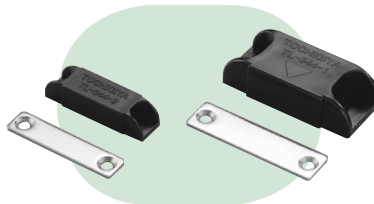
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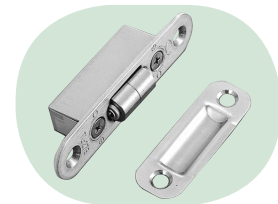
7-10



7-10



7-11



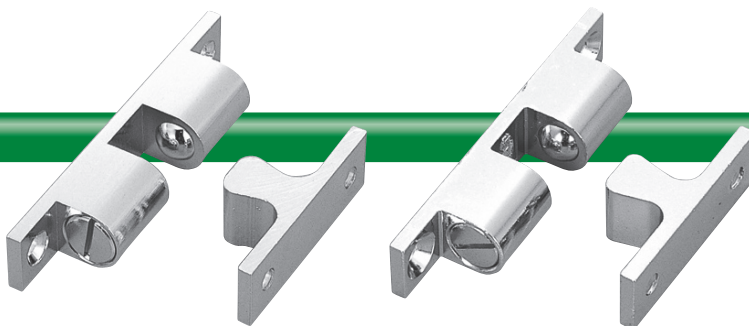
7-12



7-12



7-13



• **APPLICATIONS**

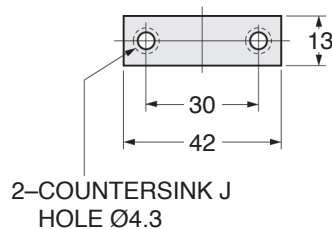
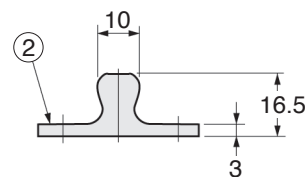
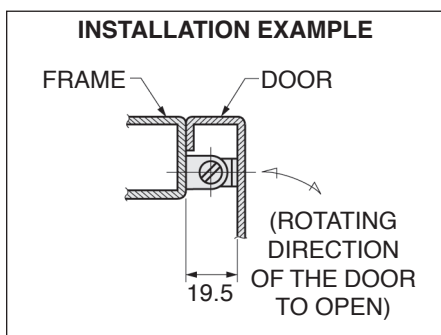
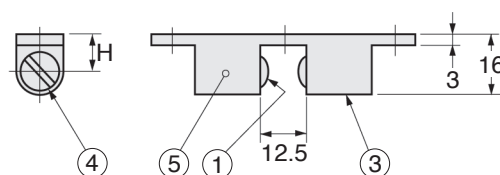
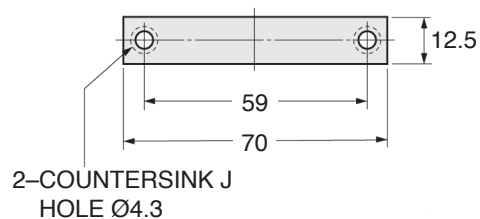
Measuring instruments / Machine tools

• **CHARACTERISTIC**

The catch can be mounted so that the strike plate enters it straight on or from the side.

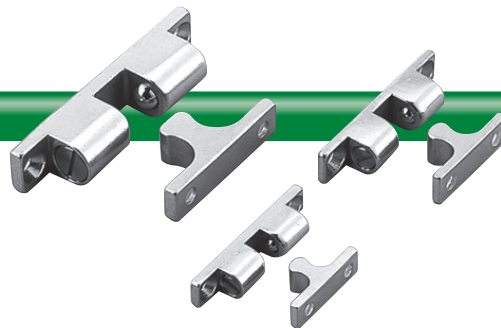
• **PARTS LIST**

No.	Part Name	MNCT02MTL91-1		MNCT02MTL91-2		Qty.
		Material	Finish	Material	Finish	
1	Ball	Steel	Nickel Plated	Steel	Nickel Plated	2
2	Strike Plate	Brass		Zinc Die Cast	Chrome Plated	1
3	Housing					
4	Set Screw			Brass		
5	Spring	Steel Wire	Bright Zinc Plated	Steel Wire	Nickel Plated	2



• **CATCHES**

Catalog Number	Pullout Strength N (kgf)	H	J	Net Weight g
MNCT02MTL91-1	Approx. 34.3 (3.5)	10	Ø6.5	78
MNCT02MTL91-2	Approx. 19.6 (2)	9.75	Ø8.6	62



• APPLICATIONS

Measuring instruments / Machine tools

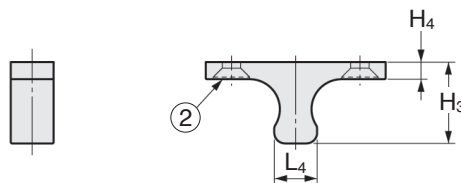
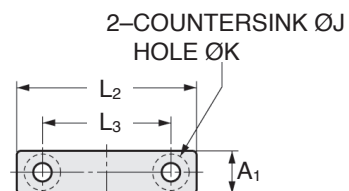
• CHARACTERISTICS

Made with stainless steel to get better anticorrosive protection.

The catch can be mounted so that the strike plate enters it straight on or from the side.

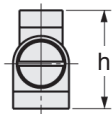
• PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Housing	Stainless Steel	—	1
2	Strike Plate			
3	Spring			
4	Pin			2
5	Set Screw			

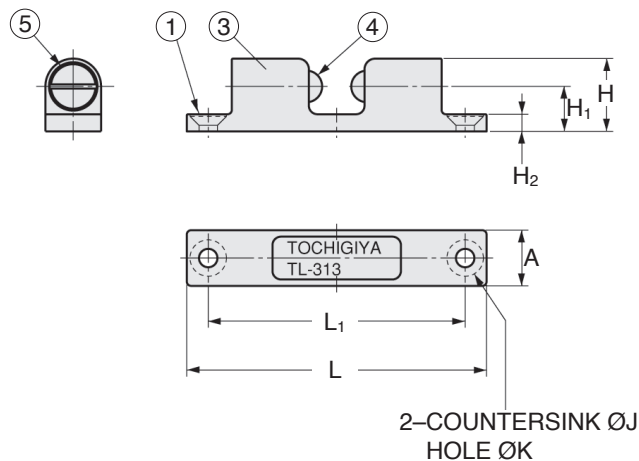
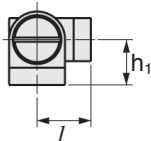


7

INSTALLATION EXAMPLE 1



INSTALLATION EXAMPLE 2

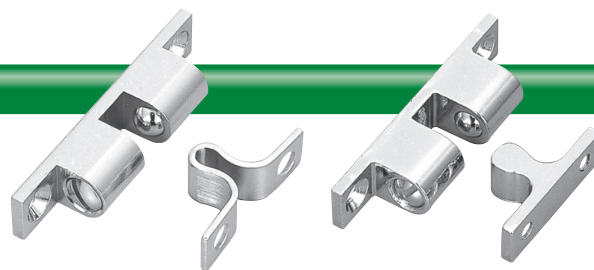


• CATCHES

Catalog Number	Pullout Strength N (kgf)	L	L ₁	L ₂	L ₃	L ₄	H	H ₁	H ₂
MNCT02M1TL313-3	Approx. 19.6 (2)	43	35	25	16	5.4	10	6	2.5
MNCT02M2TL313-2	Approx. 29.4 (3)	50	40	30	20	7	12	7.5	2.5
MNCT02M3TL313-1	Approx. 44.1 (4.5)	70	60	42	30	10	17	10.5	4

Catalog Number	H ₃	H ₄	l Ref.	h Ref.	h ₁ Ref.	A	A ₁	J	K	Net Weight g
MNCT02M1TL313-3	11	2.5	7.5	13.5	7	8	7.5	6.5	3.3	18
MNCT02M2TL313-2	13.5	2.5	8.5	16	7.5	10	9	8.2	4.3	26
MNCT02M3TL313-1	19	4	12.5	23	10.5	13	10	8.5	4.3	75

CATCHES, BALL



• APPLICATIONS

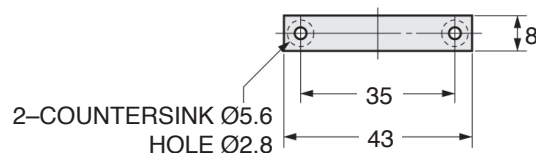
Measuring instruments / Machine tools

• CHARACTERISTIC

The catch can be mounted so that the strike plate enters it straight on or from the side.

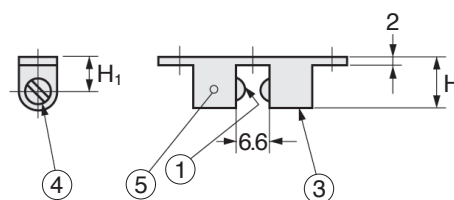
• NOTE

Beveling must be processed to the attached side when using countersunk screws or rivets to fix the ball catch.

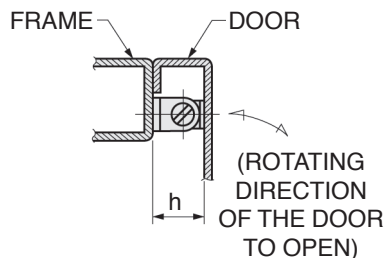


• PARTS LIST

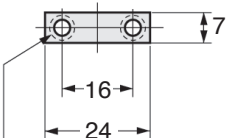
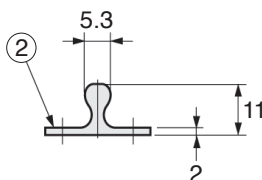
No.	Part Name	MNCT02MTL42-1		MNCT02MTL42-2		Qty.
		Material	Finish	Material	Finish	
1	Ball	Steel	Nickel Plated	Steel	Nickel Plated	2
2	Strike Plate			Zinc Die Cast	Chrome Plated	1
3	Housing	Brass		Brass	Nickel Plated	2
4	Set Screw			Stainless Steel	—	
5	Spring	Steel Wire				



INSTALLATION EXAMPLE

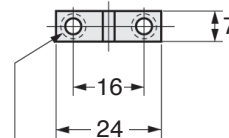
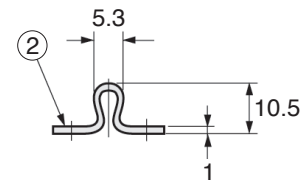


MNCT02MTL42-2



2-COUNTERSINK Ø5.6
HOLE Ø2.8

MNCT02MTL42-1



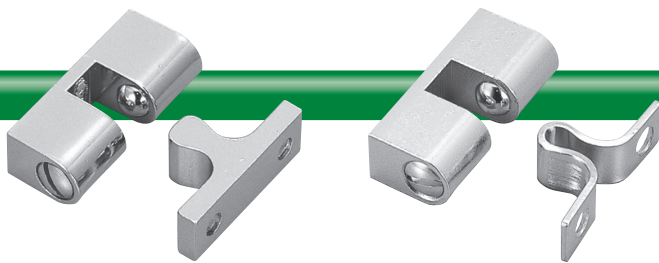
2-COUNTERSINK Ø5.6
HOLE Ø3.8

• CATCHES

Catalog Number	Pullout Strength N (kgf)	H	H ₁	h	Net Weight g
MNCT02MTL42-1	Approx. 9.81 (1)	10	6	13	14.5
MNCT02MTL42-2	Approx. 23.5 (2.4)	12	8	14.3	15.8

CATCHES, BALL

RoHS
COMPLIANT



• APPLICATIONS

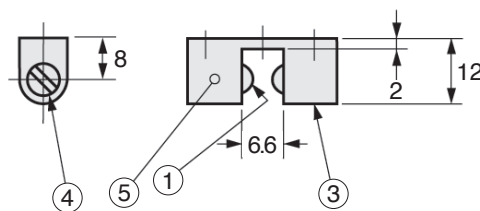
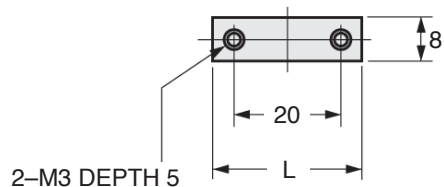
Measuring instruments / Machine tools

• CHARACTERISTIC

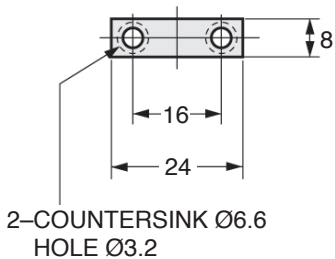
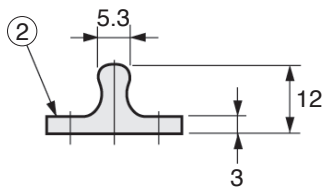
The catch can be mounted so that the strike plate enters it straight on or from the side.

• PARTS LIST

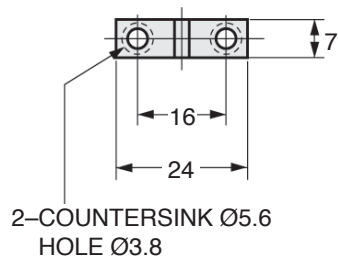
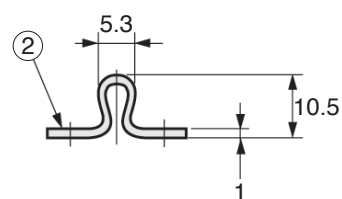
No.	Part Name	MNCT02MTL60-1		MNCT02MTL60-2		Qty
		Material	Finish	Material	Finish	
1	Ball	Steel	Nickel Plated	Steel	Nickel Plated	2
2	Strike Plate			Zinc Die Cast	Chrome Plated	1
3	Housing	Brass		Brass	Nickel Plated	2
4	Set Screw			Stainless Steel	—	
5	Spring	Steel Wire				



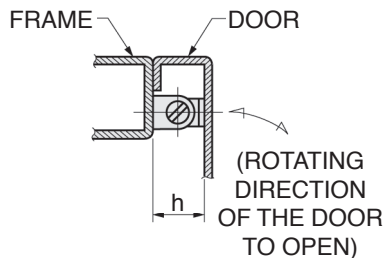
MNCT02MTL60-2



MNCT02MTL60-1



INSTALLATION EXAMPLE



• CATCHES

Catalog Number	Pullout Strength N (kgf)	L	h	Net Weight g
MNCT02MTL60-1	Approx. 9.81 (1)	26.6	13.5	15.5
MNCT02MTL60-2	Approx. 19.6 (2)	28	16	17

APPLICATIONS

Audio devices / Home appliances

CHARACTERISTIC

A single touch catch with one operation for two actions.
(One push to lock and another push to open)

SPECIFICATION

Permissible temperature: -10°C to +60°C

NOTE

Do not apply an excess pressure (impact) onto the body while locking or unlocking the door as it may become damaged.

SPACER INSTALLATION INSTRUCTIONS

When installing the spacer, ...TL235... ,set the carved seal side out. It is a spacer for ...TL297-2 body and for the push-in type strike plate and it is applicable to the plate thickness of 1.6 mm, 1.2 mm, and 1 mm.

PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Case	Acetal	Black	1
2	Strike Plate			
3	Latch	Nylon		
4	Guiding Lever	Stainless Steel	—	
5	Spring	Piano Wire	Zinc Plated	

ATTENTION

1. The offset length of centerline of body (10.8 mm direction) and the strike plate should be ± 0.15 mm or less
2. When it is installed on a door the catch body (10.8 mm direction) should be mounted in a parallel direction with a rotating axis of the door.
3. It should not be pulled off with an excess force.

CATCHES

Catalog Number	Holding Force N (kgf)	Net Weight g
MNCT03M1TL297-1	Approx. 34.5 (3.5)*	2.5
MNCT03M2TL297-2		2.9

*The strength was taken as for initial horizontal direction value at standard temperature.

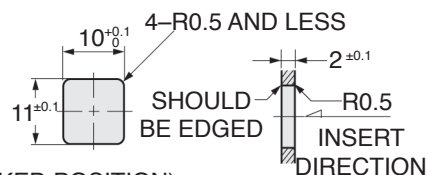
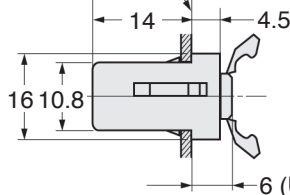
USE ONLY FOR ...TL297-2

SPACER – Stainless Steel

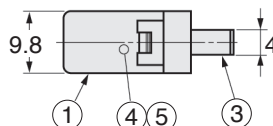
Catalog Number	A
MNCT03M3TL235-4	0.4
MNCT03M4TL235-5	0.8
MNCT03M5TL235-6	1

...TL297-1 CATCH BODY

REFERENCE SURFACE
(FRONT SURFACE OF THE
PLATE TO BE INSTALLED)

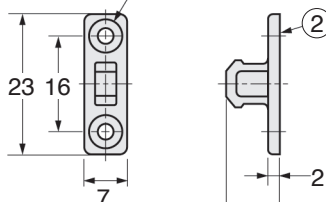


LAYOUT OF HOLE FOR
INSTALLING THE BODY

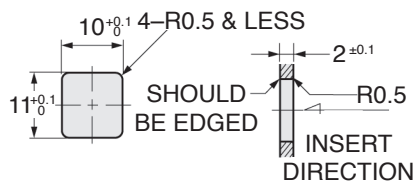
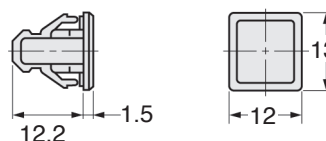


STRIKE PLATE NO.1 (FOR A SCREW-ON TYPE)

2-COUNTERSINK Ø5.6
HOLE Ø2.6

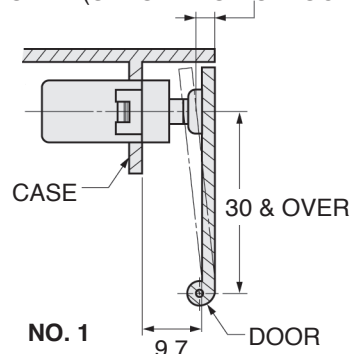


STRIKE PLATE NO.2 (FOR A PUSH-IN TYPE)

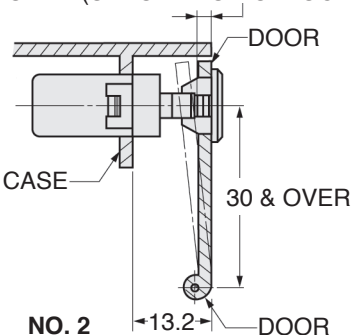


LAYOUT OF HOLE FOR
THE STRIKE PLATE NO. 2

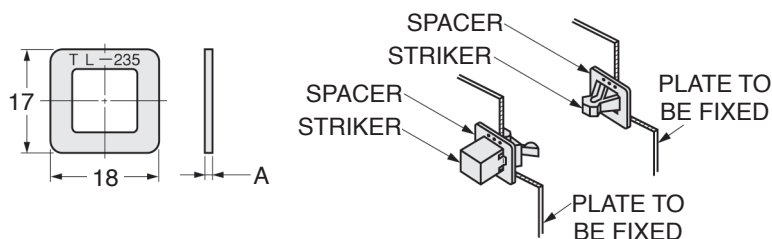
SHOULD BE PRESSED 3 mm AND
OVER (STROKE FOR UNLOCK)



SHOULD BE PRESSED 3 mm AND
OVER (STROKE FOR UNLOCK)



INSTALLATION EXAMPLES



CATCHES, MAGNETIC

RoHS
COMPLIANT

• APPLICATIONS

Measuring instruments / Office automation appliances / Furniture

• CHARACTERISTICS

No need for any screw or adhesive agent for installation. Installation can be completed by pushing the catch into the hole to set. The models can accommodate five different panel thicknesses.

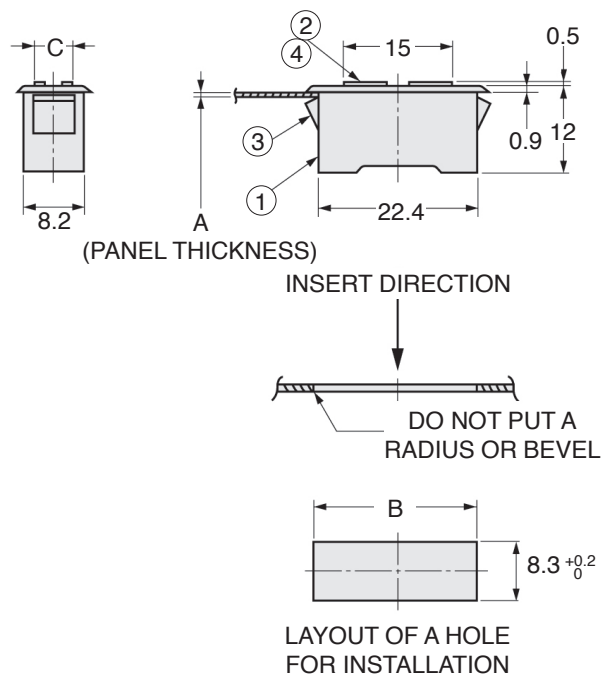
• PARTS LIST

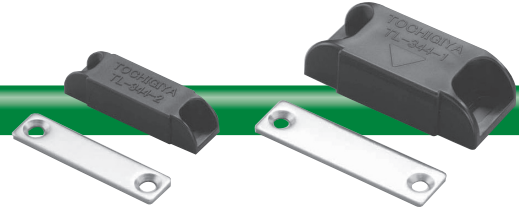
No.	Part Name	Material	Finish				Qty.
			..MTL295-1	..MTL295-1S	..MTL295-2	..MTL295-2S	
1	Case	Nylon	White	Gray	White	Gray	1
2	Yoke	Steel	Zinc Plated				2
3	Stopper Spring	Acetal	Primary		Blue		1
4	Magnet	Ferrite					

• CATCHES

Catalog Number	Holding Force Approx. N (kgf)	C	Net Weight g
MNCT09MTL295-1	Over 12.8 (1.3)	5.3	5.6
MNCT09MTL295-1S	Over 21.6 (2.2)	5.8	6.2
MNCT09MTL295-2	Over 12.8 (1.3)	5.3	5.6
MNCT09MTL295-2S	Over 21.6 (2.2)	5.8	6.2

Catalog Number	A (Panel Thickness)	B Opening
MNCT09MTL295-1	0.5 ±0.05	22.6 ^{+0.15} ₀
MNCT09MTL295-1S	0.8 ±0.05	23.7 ^{+0.15} ₀
MNCT09MTL295-2	1.0 ±0.05	22.7 ±0.1
MNCT09MTL295-2S	1.2 ±0.05	23.5 ±0.1
	1.4 ±0.05	24.0 ±0.1





• APPLICATIONS

Cleanroom / Cleanbooth equipment / Devices used near water

• CHARACTERISTICS

Magnet is enclosed inside plastic. There is no contamination from magnetic powder. Suitable for cleanroom applications and equipment used around water.

• SPECIFICATIONS

MNCT01MTL344-2 does not have a specified attaching surface.
Both surfaces may be used (no back plate).

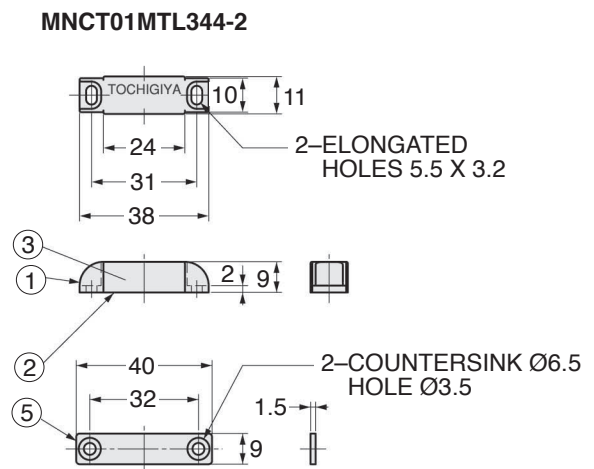
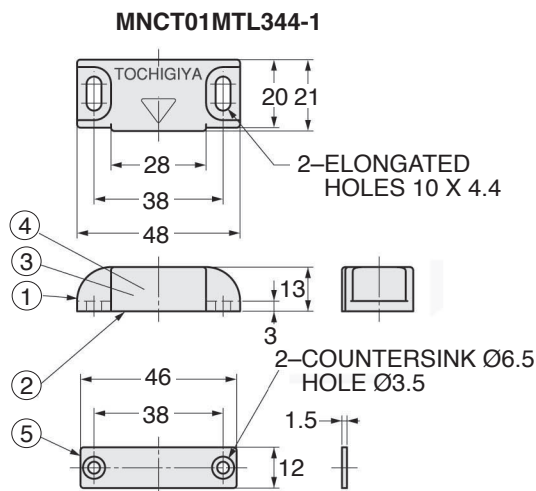
• PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Housing	Acetal	Black	1
2	Cover			
3	Magnet	Neogium	Nickel Plated	
4	Back Plate	Steel		
5	Strike Plate	Stainless Steel	—	

• CATCHES

Catalog Number	Holding Force N (kgf)	Net Weight g
MNCT01MTL344-1	Approx. 23 (2.3)	29
MNCT01MTL344-2	Approx. 13 (1.3)	14

NOTE: Due to the construction of these catches, the area of magnetic field is larger than the ordinary magnetic catches. Therefore, care should be exercised for their handling and storage. Also, these catches do not have the usual yoke cushion, so the user must be careful not to cause shock impact when closing the door.



NOTE: Catalog number **MNCT01MTL344-2** does not have a back plate.



• APPLICATIONS

Kitchen equipment / Science devices / Distribution boards / Distribution panels / Measuring instruments

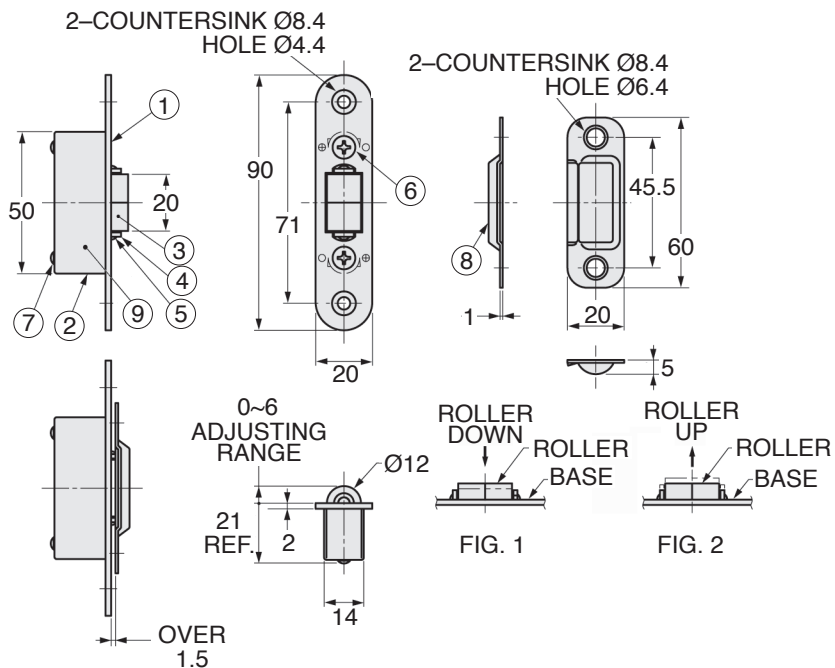
• CHARACTERISTICS

Roller height is adjustable for smoother opening and closing action. Made of stainless steel for better anticorrosive performance.

• PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Base	Stainless Steel	Hairline	1
2	Case			
3	Roller			2
4	Roller Carrier			1
5	Pin			
6	Phillips Head Screw*			2
7	Washer			
8	Strike Plate			1
9	Spring			2

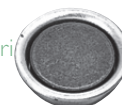
*NOTE: When adjusting roller, be sure roller remains parallel to the base. ⊕ Direction: Roller to be Drawing In
○ Direction: Roller to be Drawing Out



• CATCH, ROLLER

Catalog Number	Net Weight g
MNCT11MTL279	74

All Metric Small Parts • All Metric Small Parts • All Metric Small Parts • All Metric Small Parts • All Metric Small Parts • All Metric Small Parts



• APPLICATIONS

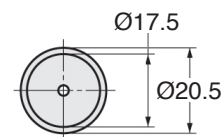
Measuring instruments / Office automation appliances / Furniture

• CHARACTERISTIC

An embedded type catch to maximize available space.

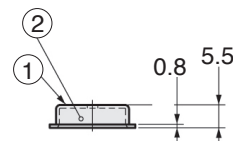
• PARTS LIST

No.	Part Name	Material	Finish
1	Housing	Steel	Bright Zinc Plated
2	Magnet	Ferrite	—



• CATCH, MAGNETIC

Catalog Number	Holding Force N (kgf)	Net Weight g
MNCT05MTL172	Approx. 4.91 (0.5)	6.3



MAGNETIC CATCH & BRACKET



• APPLICATIONS

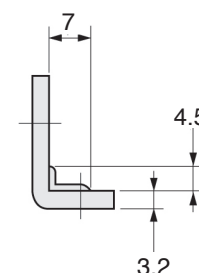
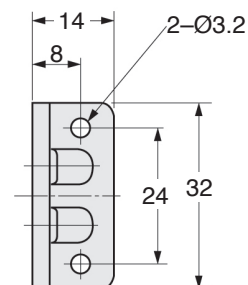
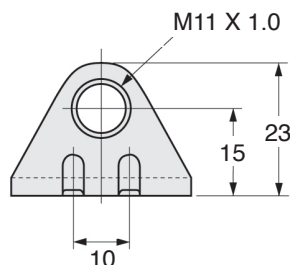
Measuring instruments / Office automation appliances / Furniture

• CHARACTERISTIC

A special bracket for easy installation of MNCT04MTL294.

• BRACKET – Steel, Black Paint

Catalog Number	Net Weight g
MNCT04MTL188	16.3



All Metric Small Parts • All Metric Small Parts • All Metric Small Parts • All Metric Small Parts • All Metric Small Parts • All Metric Small Parts

7

• APPLICATIONS

Measuring instruments / Office automation appliances / Furniture

• CHARACTERISTIC

The door can be opened or closed with a single-touch operation.

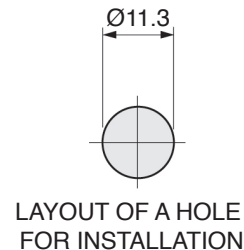
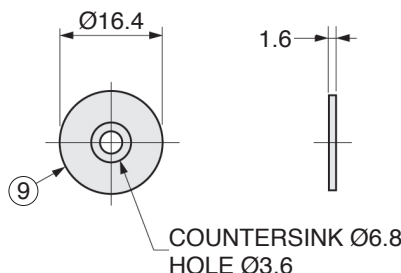
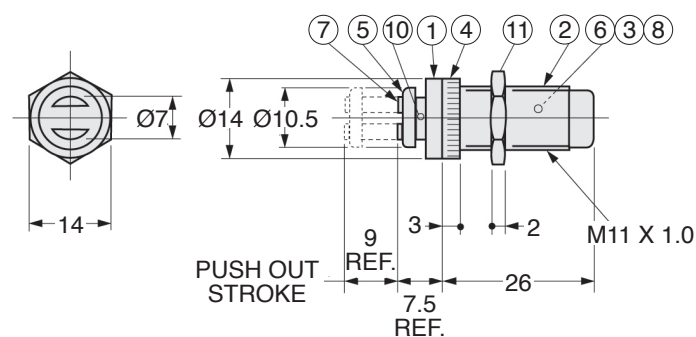
• SPECIFICATIONS

1. Stroke for unlock: approx. 3.5 mm.
2. Initial thrust force from lock to unlock condition: approx. 8.83 N (0.9 kgf)
3. Torque for nuts: 0.29 N • m (3 kgf • cm) or less.



• PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Base	ABS	Black	1
2	Case			
3	Spring Receiver			
4	Spacer	Nylon		
5	Slide	PC		
6	Rotary	Steel	Red	2
7	Yoke		Black Colored Nickel Plated	
8	Spring		—	
9	Strike Plate	Ferrite	Zinc Plated	1
10	Magnet		—	
11	Nut		Zinc Plated	



• CATCH

Catalog Number	Net Weight g
MNCT04MTL294	8.95