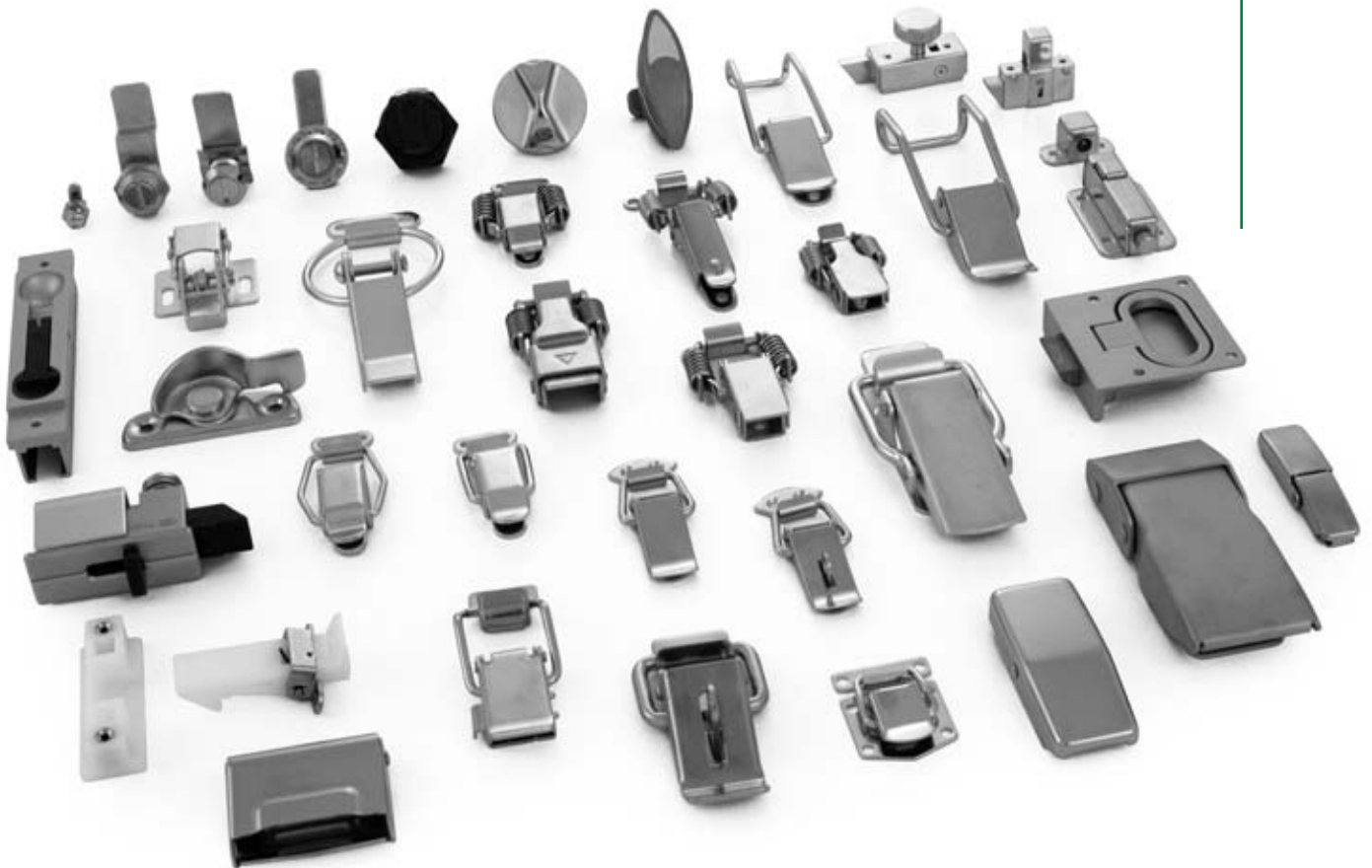


# SECTION 5

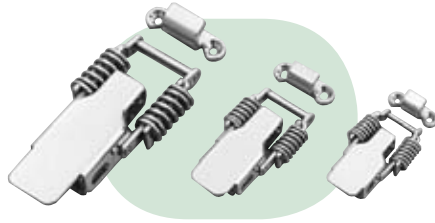
## Latches MNA

5

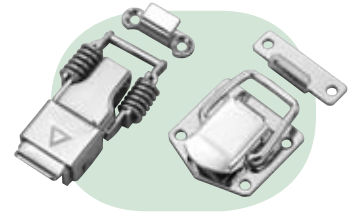




5-5 thru 5-7



5-8 thru 5-10



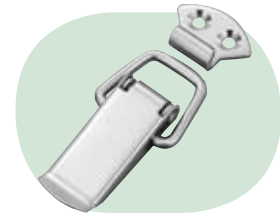
5-11



5-12



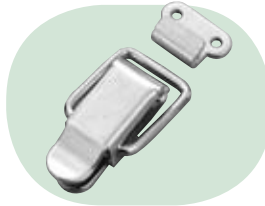
5-13



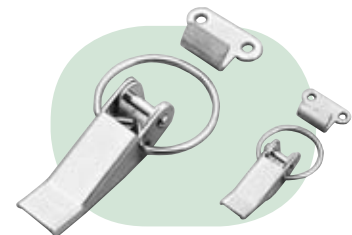
5-14 thru 5-16



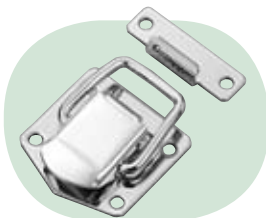
5-17



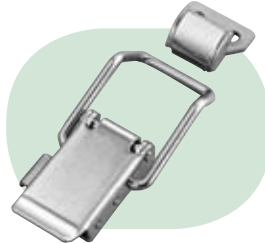
5-17



5-18



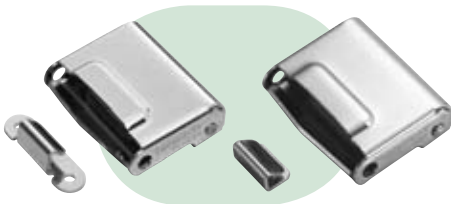
5-19



5-20



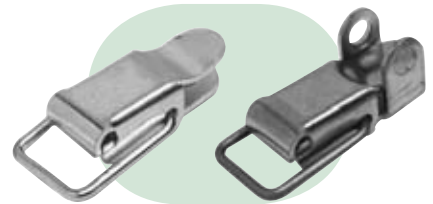
5-21



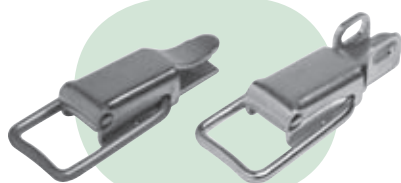
5-22



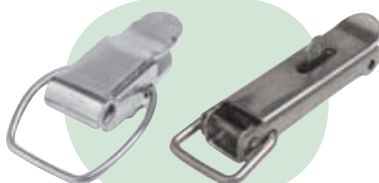
5-23



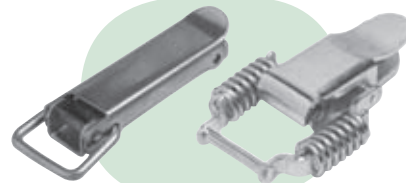
5-24



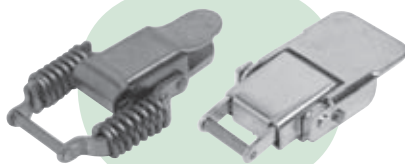
5-24



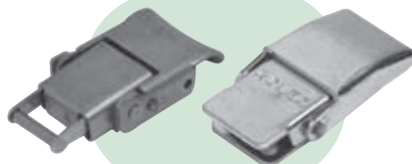
5-25



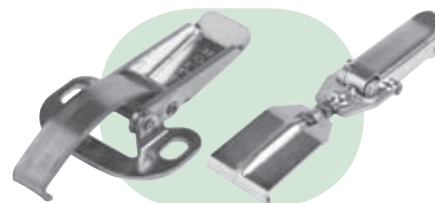
5-26



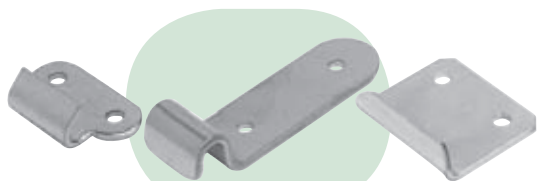
5-27



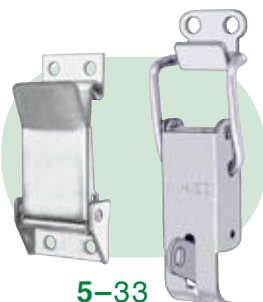
5-28



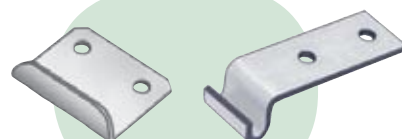
5-29



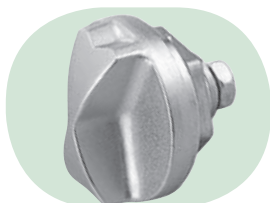
5-30 thru 5-32



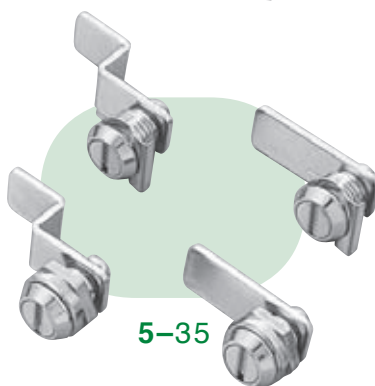
5-33



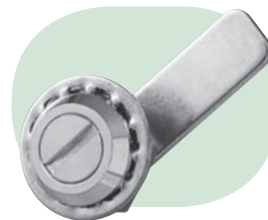
5-33



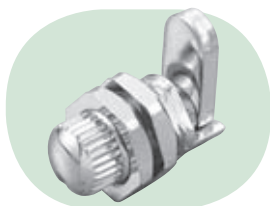
5-34



5-35



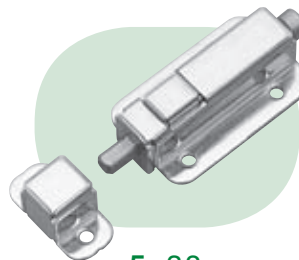
5-36



5-37



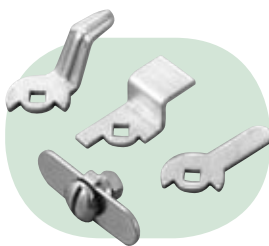
5-38



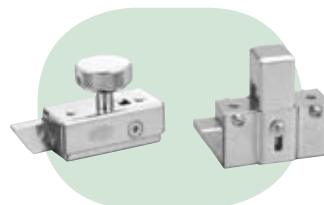
5-38



5-39



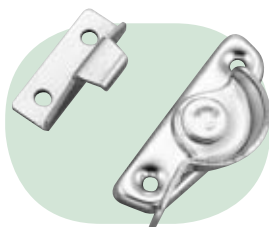
5-40



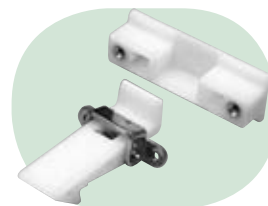
5-41



5-42



5-42



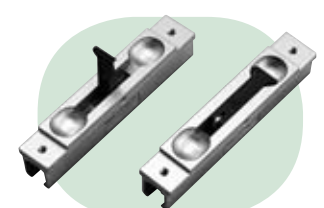
5-43



5-43



5-44



5-45

## LATCH, PULL-DOWN, Stainless Steel



### • APPLICATIONS

Various types of boxes / Transportation equipment

### • CHARACTERISTICS

Because springs are used, a tightening force is applied when the latch is closed. Since the latch is made of stainless steel it has excellent corrosion resistance. The holes for a padlock are on the side, preserving the appearance even when there is no lock.

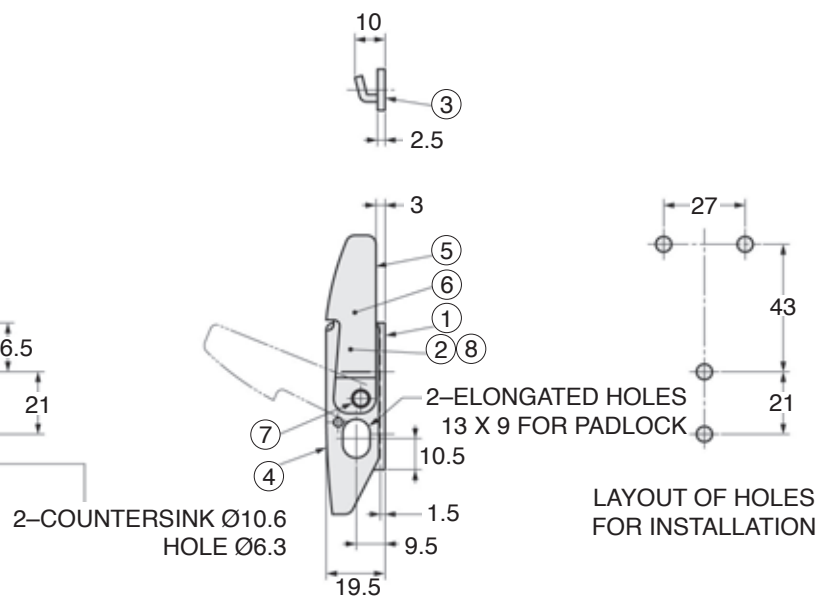
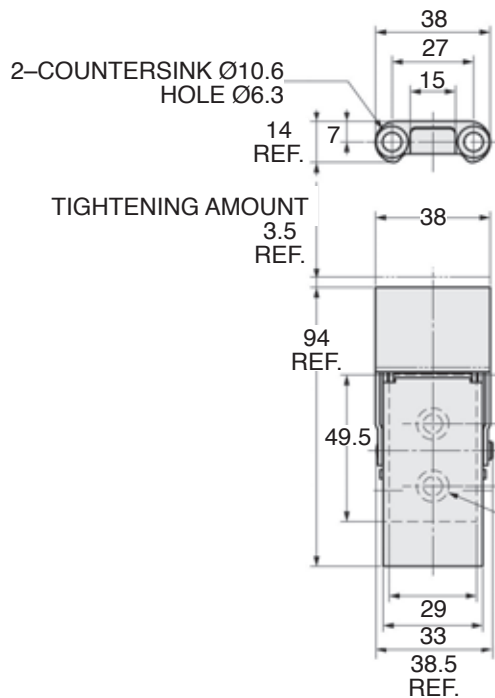
### • PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Base	Stainless Steel	Barrel Polishing	1
2	Spring Mount			
3	Strike Plate			
4	Lever		Shiny Barrel Polishing	
5	Arm			
6	Pin		—	2
7	Pin			
8	Spring			

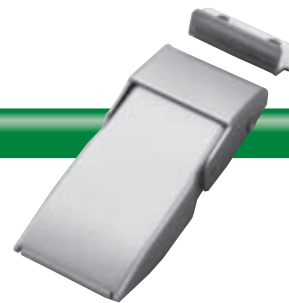
**NOTE:** Use M5 flat head screws for mounting

### • LATCH

Catalog Number	Tightening Force N (kgf)	Net Weight g
<b>MNAT00MTL349</b>	245 (25)	145



## LATCH, PULL-DOWN, Stainless Steel



### • APPLICATIONS

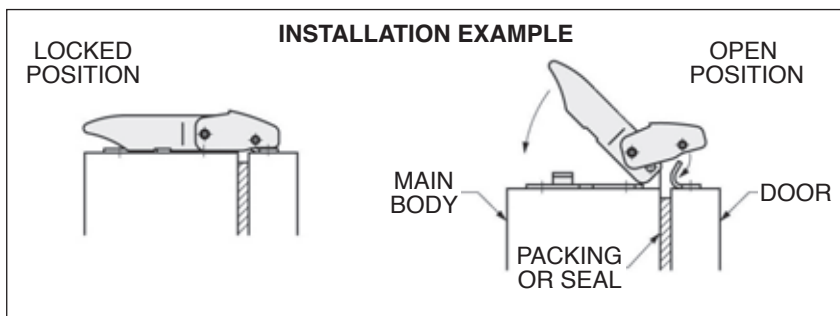
Distribution boards / Distribution panels / Control boards / Boxes

### • CHARACTERISTIC

Since there is no need to install cams and rods, the space can be used more efficiently.

### • PARTS LIST

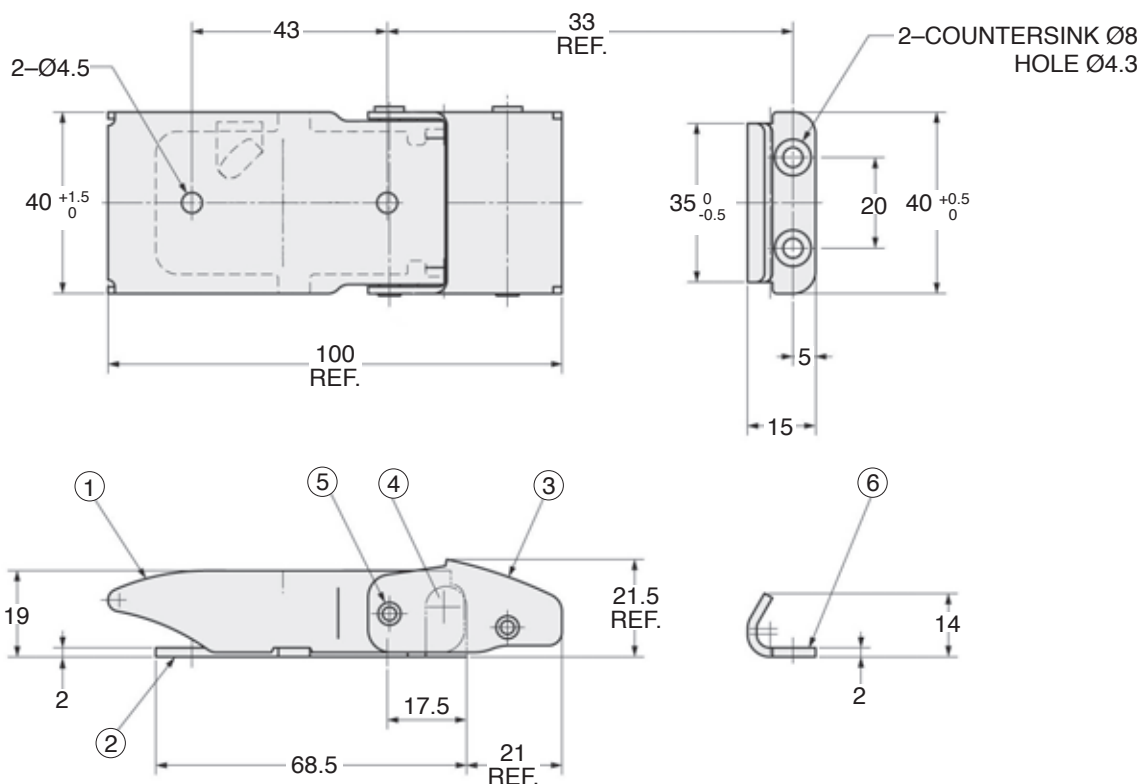
No.	Part Name	Material	Finish	Qty.
1	Lever	Stainless Steel	Bead Blast	1
2	Base			
3	Arm			
4	Pin			
5	Pin		Barrel Polishing	2
6	Strike Plate			1



### • LATCH

Catalog Number	Allowable Load N (kgf)	Net Weight g
<b>MNAT01MTL346</b>	294.3 (30)	153

**NOTE:** The arm is rigid in the locked position. Use antishock material such as packing on the door.



## LATCHES, PULL-DOWN, Stainless Steel

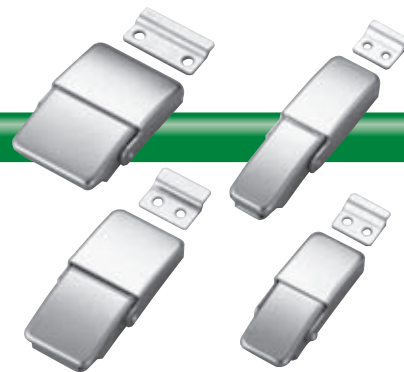


### • APPLICATIONS

Measuring instruments / Communication equipment /  
Medical devices / Assorted cases and boxes

### • CHARACTERISTICS

The strike plate and mounting screws are hidden under the cover enhancing the design of the latch. The stainless steel material has excellent corrosion resistance.



### • PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Base	Stainless Steel	Barrel Polishing	1
2	Strike Plate			
3	Arm		Shiny Barrel Polishing	
4	Lever			
5	Pin		—	
6	Pin			
7	Flat Spring			
8	Rivet			
9	Washer	Nylon	Primary Color	2

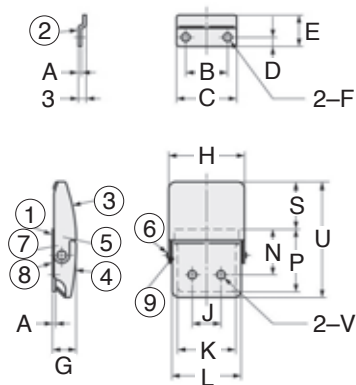
### • LATCHES

Catalog Number	Allowable Load N (kgf)	A	B	C	D	E	F	G	H	J	K	L
MNAT02MTL345-1	190 (19.4)	1.2	16	23	3.5	12	Ø3.2	9	29	11	22.2	26.4
MNAT02MTL345-2	70 (7.1)	1	6	12		11	Ø2.6		15.6	14	9.2	13
MNAT02MTL345-3	80 (8.2)		7	15	3.8	13	Ø2.8	8	22	12	16.4	19.8
MNAT02MTL345-4	50 (5.1)		6	12	3.5	11	Ø2.6		16	13	10.4	13.8

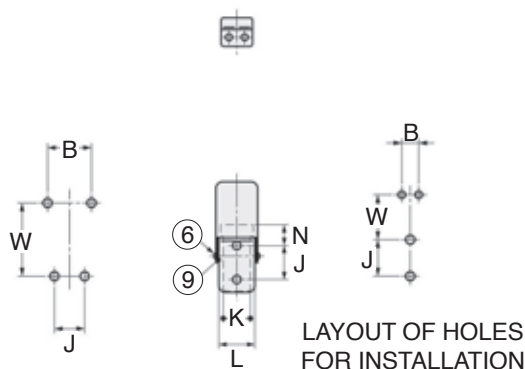
Catalog Number	N	P	S	U	V	W	Net Weight g
MNAT02MTL345-1	17.5	24	17.8	44	Ø3.2	26	22.4
MNAT02MTL345-2	12	30	25.3	56	Ø3.6	29	15
MNAT02MTL345-3	15.5	31.5	15.3	47	Ø3.1	21	15
MNAT02MTL345-4	8	25.5	16.1	42	Ø3.2	16	10

MNAT02MTL345-1

MNAT02MTL345-2~4



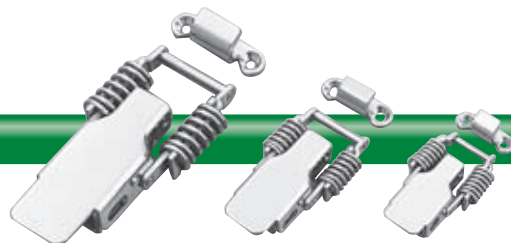
LAYOUT OF HOLES  
FOR INSTALLATION



LAYOUT OF HOLES  
FOR INSTALLATION



## LATCHES, TENSION - Lockable



### • APPLICATIONS

Distribution panels / Control boards / Distribution boards /  
Measuring instruments / Transporter boxes

### • CHARACTERISTICS

The appearance of the latch is superior to the ordinary tension latch. A padlock can be inserted into the holes on the side to lock it. When a lock is not used, the holes on the side will not deface its appearance. When latched, the mounting screws are covered so that the latch cannot be unscrewed.

### • PARTS LIST

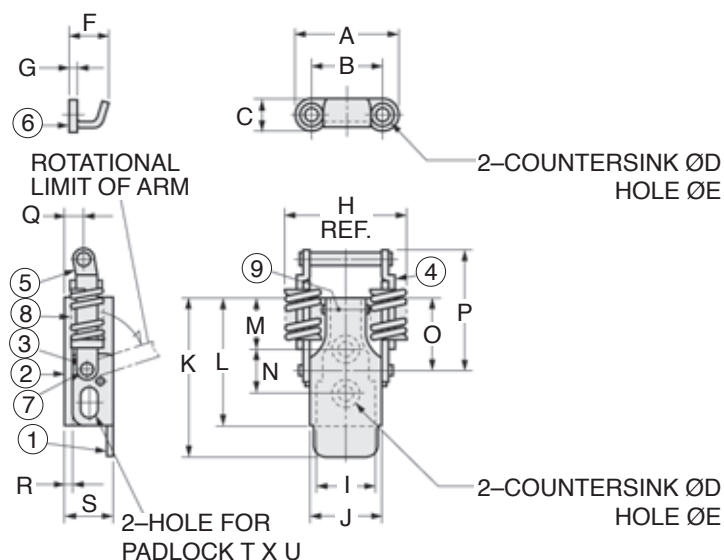
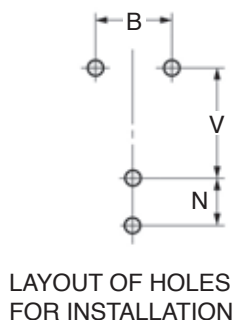
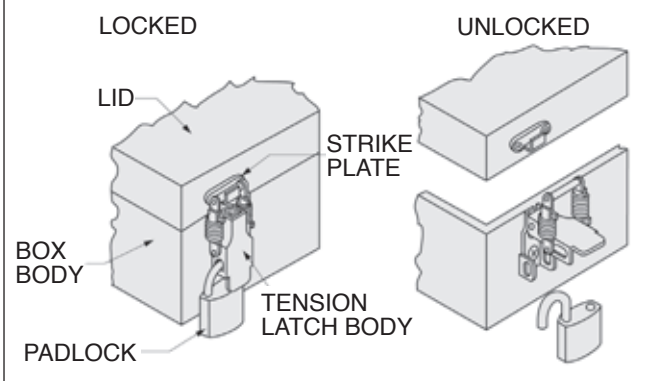
No.	Part Name	Material	Finish	Qty.
1	Lever	Stainless Steel	Barrel Polishing	1
2	Base			1
3	Arm			2
4	Arm			1
5	Arm			1
6	Strike Plate			1
7	Pin		—	2
8	Spring			1
9	Pin			1

### • LATCHES

Catalog Number	Tightening Force N (kgf)	A	B	C	D	E	F	G	H	I	J	K
MNAT2NMTL11J-1	Approx. 74.6 (7.6)	26	18	8	6	3.2	10	2	30	15.5	18	37.5
MNAT2NMTL11J-2	Approx. 118 (12)	32	22	10	8	4.3			36	18	22	50
MNAT2NMTL11J-3	Approx. 196 (20)	44	32	12	8.6		15	3	50	26.5	30.8	75

Catalog Number	L	M	N	O	P	Q	R	S	T	U	V	Net Weight g
MNAT2NMTL11J-1	31	15	12	17	31.5	4.5	1.5	12	5.5	6	30	29.8
MNAT2NMTL11J-2	40	16	14	23	37.75	5	2	14		9	31	55.4
MNAT2NMTL11J-3	54	19	25	27	54.9	7	2.5	20	6.5	12	47	145

### INSTALLATION EXAMPLE





# LATCHES



## • APPLICATIONS

Measuring instruments / Machine tools /

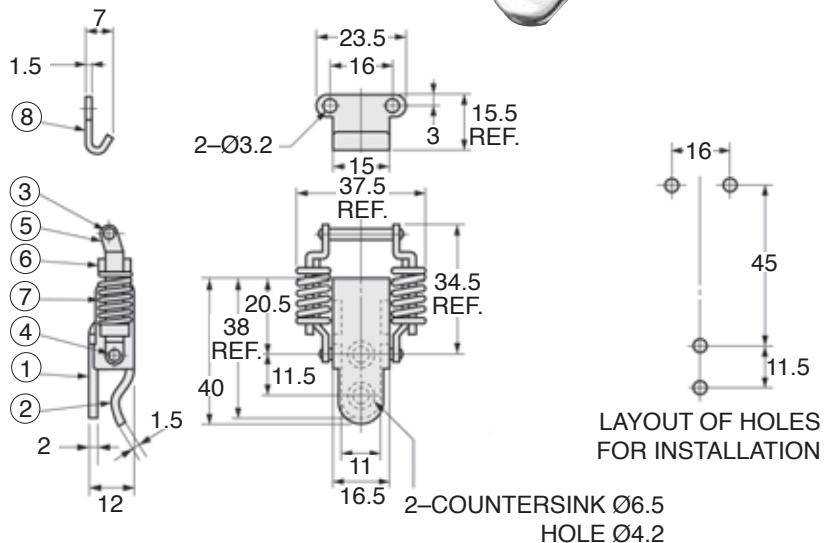
## Construction machines / Vehicles

- **CHARACTERISTICS**

Since the latch is made of stainless steel, it has excellent corrosion resistance. Springs help to insure tight latching.

## • PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Base	Stainless Steel	Barrel Polishing	1
2	Lever			
3	Pin			
4	Pin			
5	Arm			2
6	Arm			
7	Spring			
8	Strike Plate			



- **LATCH, TENSION - Small**

Catalog Number	Tightening Force N (kgf)	Net Weight g
MNAT2NMTL11F	Approx. 108 (11)	35.5

**NOTE:** Countersunk holes on the mounting side should be deburred before using screws or rivets.

- APPLICATIONS

Distribution boards / Control boards / Distribution panels /

### Measuring instruments / Transporting boxes

- **CHARACTERISTICS**

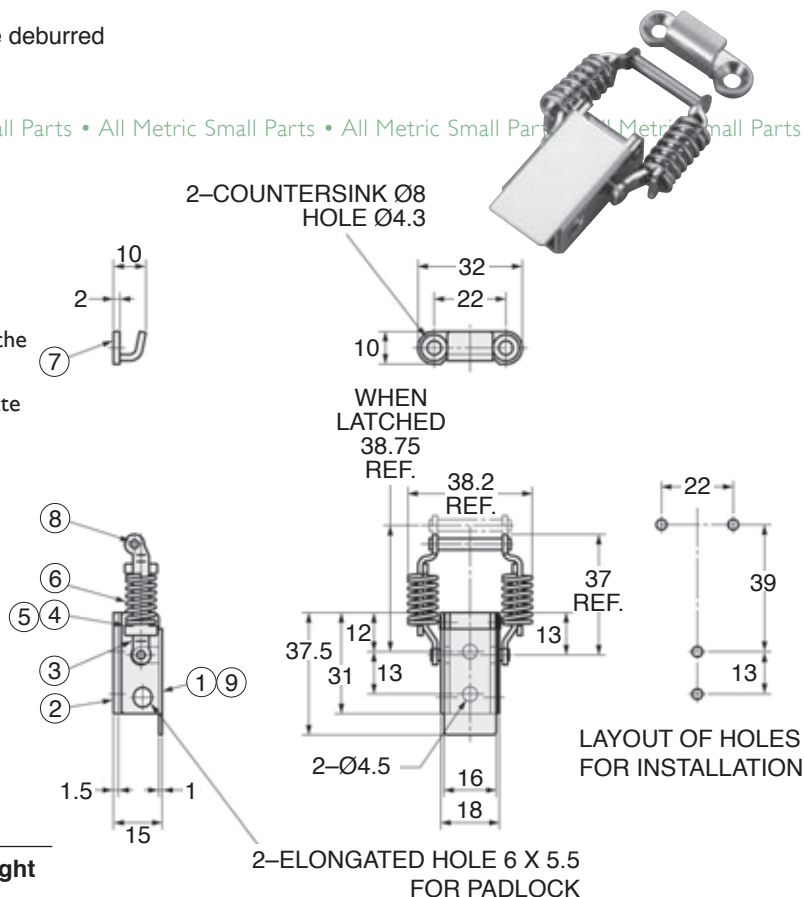
This attractive lockable tension latch has springs to ensure a tight closure. Since the holes for a padlock are on the side, the appearance is not ruined even when there is no lock. When it is latched, the arm covers the screw holes of the strike plate preventing the tampering of screws.

## • PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Lever	Stainless Steel	Barrel Polishing	1
2	Base			2
3	Arm			1
4	Arm			2
5	Arm			1
6	Spring		—	2
7	Strike plate			1
8	Pin			2
9	Pin			1

- **LATCH, TENSION - Lockable**

Catalog Number	Tightening Force N (kgf)	Net Weight g
MNAT2NMTL351-001	Approx. 98.1 (10)	41.1



## LATCHES, TENSION



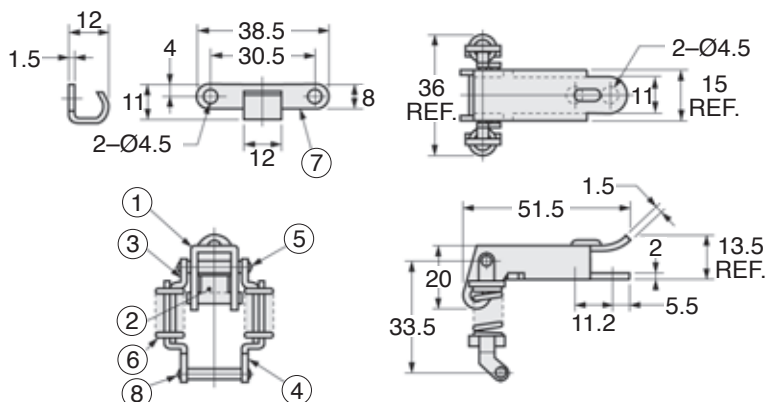
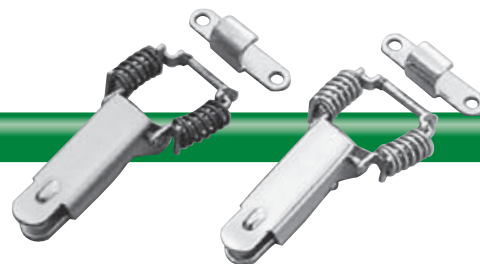
### • APPLICATIONS

Measuring instruments / Machine tools

### • CHARACTERISTICS

Can be mounted in the corner of an object.

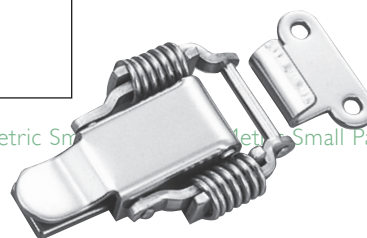
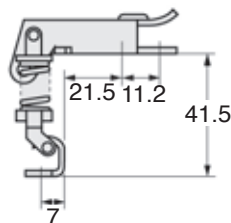
An excellent vibration-free performance due to its springs.



### • PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Lever	Stainless Steel	Barrel Polishing	1
2	Base			1
3	Arm			2
4	Arm			2
5	Arm			1
6	Spring			2
7	Strike Plate	—	—	1
8	Pin			1

### INSTALLATION EXAMPLE INSTALLATION WITH THE STRIKE PLATE ⑦



### • LATCH, L-STYLE

Catalog Number	Tightening Force N (kgf)	Net Weight g
MNAT2NMTL11G-2	Approx. 137 (14)	42

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 / Machine tools

### • CHARACTERISTICS

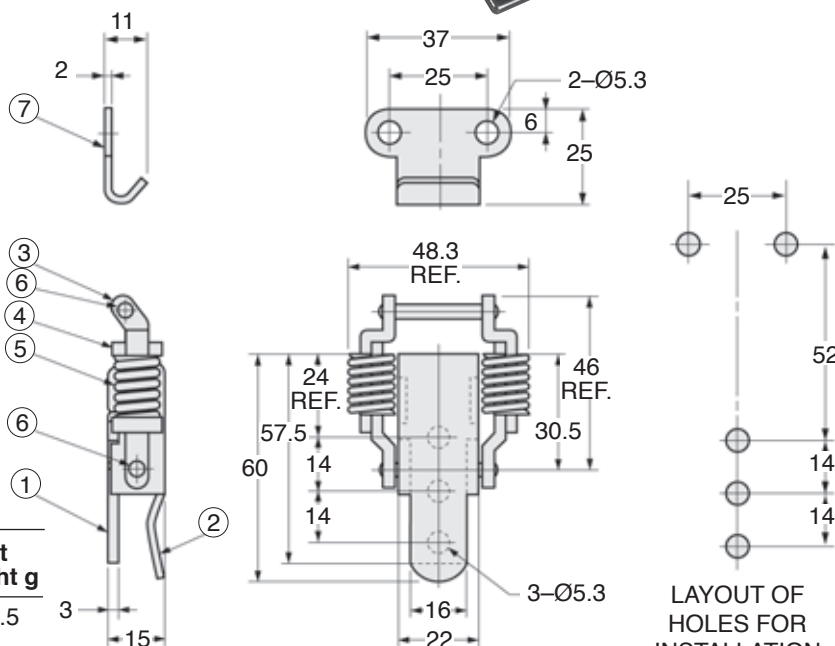
Springs help to insure tight latching. The stainless steel construction has excellent corrosion and chemical resistance.

### • PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Base	Stainless Steel	Barrel Polishing	1
2	Lever			1
3	Arm			2
4	Arm			2
5	Spring			2
6	Pin			2
7	Strike Plate	—	—	1

### • LATCH, LARGE

Catalog Number	Tightening Force N (kgf)	Net Weight g
MNAT2NMTL11H	Approx. 157 (16)	100.5



LAYOUT OF  
HOLES FOR  
INSTALLATION

## LATCHES



- APPLICATIONS

Distribution panels / Control boards /  
Distribution boards / Measuring instruments

- **CHARACTERISTIC**

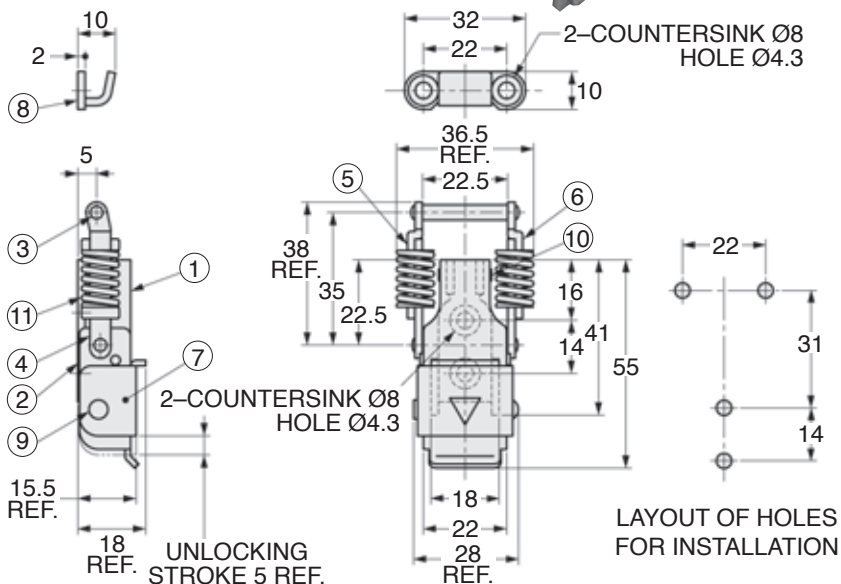
The locking mechanism prevents the latch opening from vibration.

- **NOTE**

The attaching surface side should be deburred when using countersunk screws or rivets.

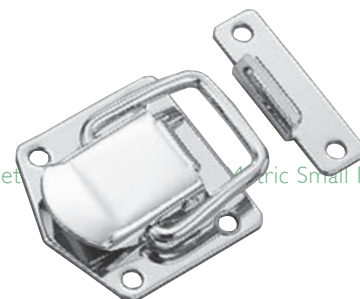
## • PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Lever	Stainless Steel	Barrel Polishing	1
2	Base			
3	Pin			
4	Arm			
5	Arm			
6	Arm		—	2
7	Slide			
8	Strike Plate			
9	Stopper Pin			
10	Pin			
11	Spring			



- **LATCH, LOCKING** - Stainless Steel

Catalog Number	Closing Strength N (kgf)	Net Weight g
MNAT37MTL322	138 (14)	75



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**

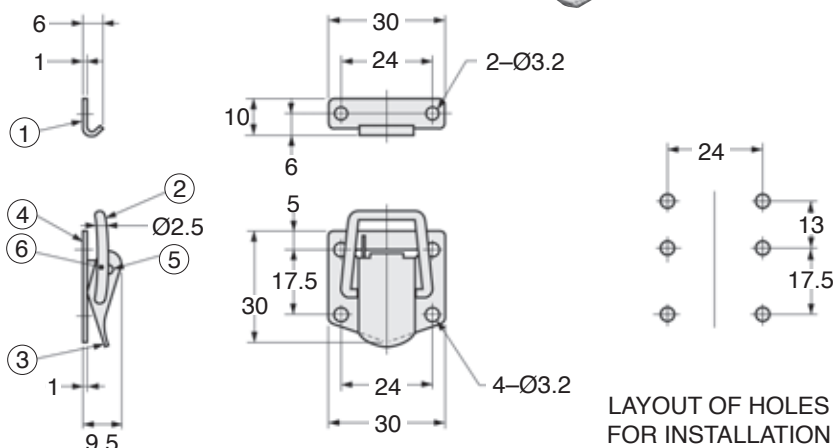
### Measuring instruments / Various types of boxes

- **CHARACTERISTIC**

The lever stays stationary even when it is in the unlatched position.

## • PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Strike Plate	Brass	Nickel Plated	1
2	Arm			
3	Lever			
4	Base			
5	Pin			
6	Spring	Piano Wire		



- **LATCH, PULL-DOWN**

Catalog Number	Allowable Load N (kgf)	Net Weight g
MNAT09MTL80	68.7 (7)	15

## LATCH, TENSION



### • APPLICATIONS

Measuring instruments / Machine tools / Construction machines / Vehicles

### • CHARACTERISTIC

This tension latch is a large vibration-free catch fastener.

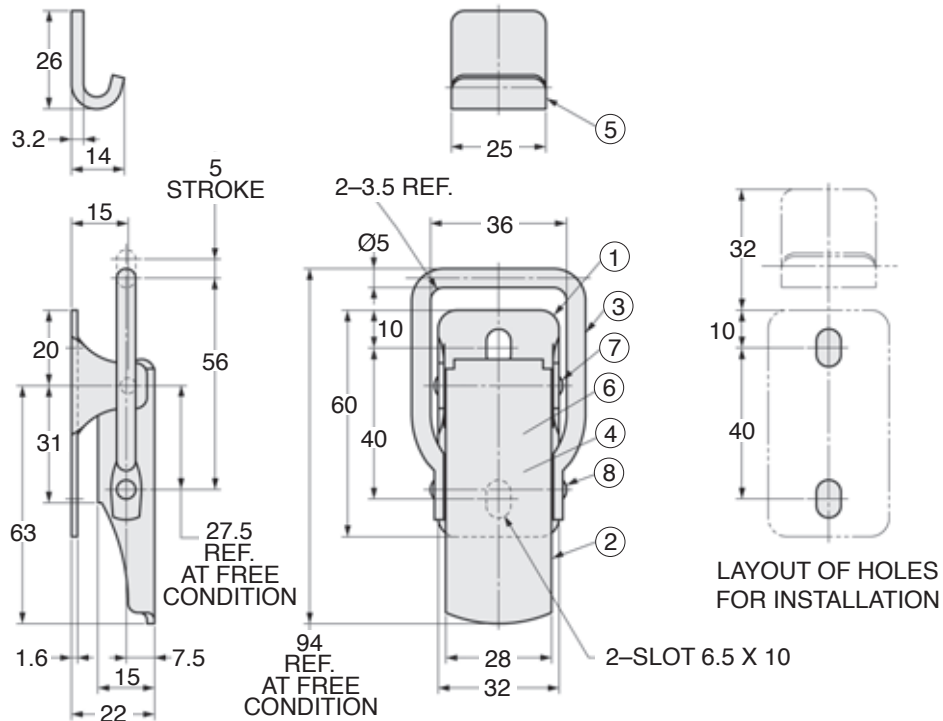
### • PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Base	Steel	Bright Zinc Plated	1
2	Lever			
3	Arm			
4	Spring Holder Plate			
5	Strike Plate	Piano Wire		1
6	Spring			2
7	Pin	Stainless Steel	—	1
8	Pin			

5

### • LATCH

Catalog Number	Tightening Force N (kgf)	Net Weight g
<b>MNAT10MTL126</b>	Approx. 265 (27)	149



## LATCH, PULL-DOWN

**RoHS**  
COMPLIANT



### • APPLICATIONS

Measuring instruments / Machine tools / Distribution panels / Switch boxes

### • CHARACTERISTICS

The latch is made of stainless steel and has excellent corrosion and chemical resistance. A padlock can be put on the latch.

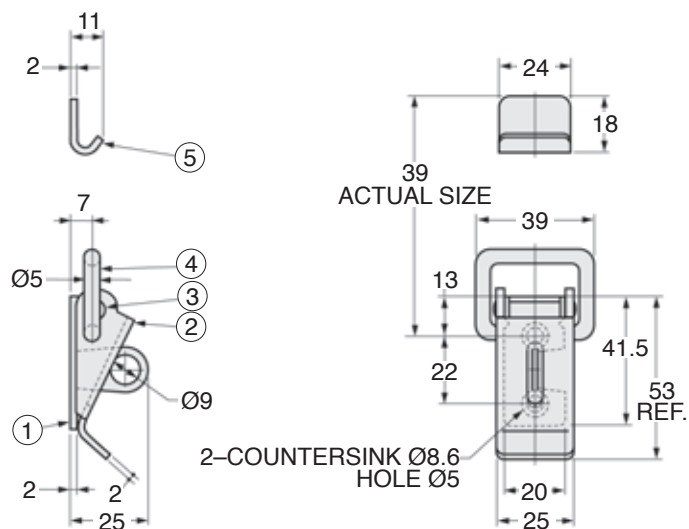
### • PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Base	Stainless Steel	Barrel Polishing	1
2	Lever			
3	Pin			
4	Arm			
5	Strike Plate			

**NOTE:** Since the elasticity of the arm is limited, packing or other cushioning materials may be needed. The mounting side surface around the holes should be deburred.

### • LATCH

Catalog Number	Net Weight g
MNAT11MTL278	69









## LATCHES, PULL-DOWN

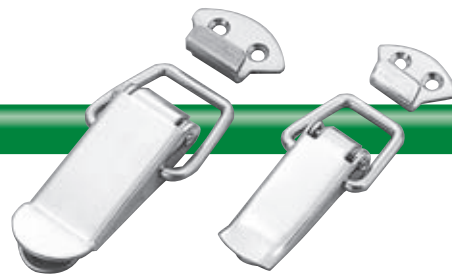


### • APPLICATIONS

Measuring instruments / Control boards / Distribution panels / Machine tools

### • CHARACTERISTIC

The latch is made of stainless steel and has excellent corrosion and chemical resistance.



### • PARTS LIST

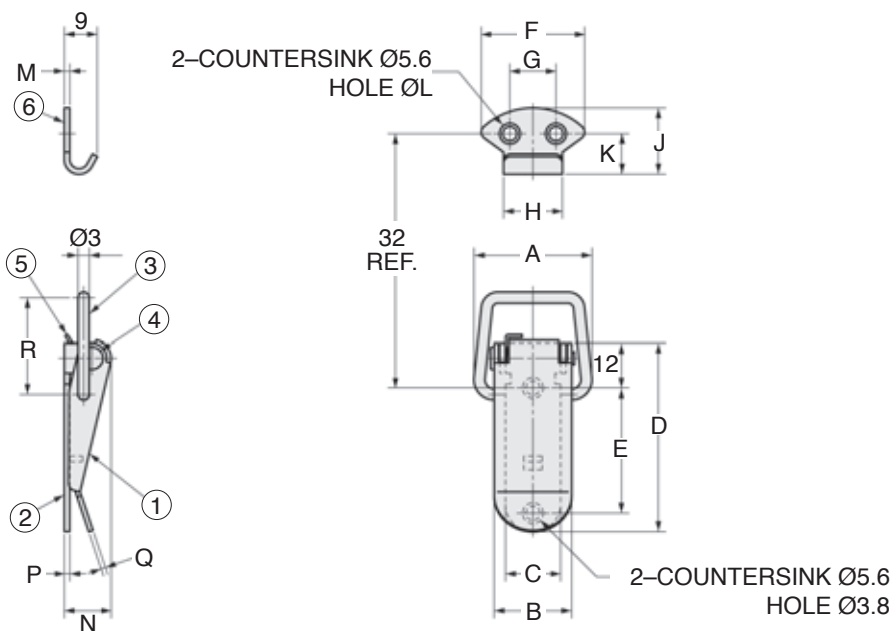
No.	Part Name	Material	Finish	Qty.
1	Lever	Stainless Steel	—	1
2	Base			
3	Arm			
4	Pin			
5	Spring			
6	Strike Plate			

### • LATCHES

5

Catalog Number	A	B	C	D	E	F	G	H	J	K	L
MNAT04MTL154-1	26	16	13.5	40	23	23	10	13	16	10.5	3.4
MNAT04MTL154-2	32	21	15	51 REF.	34	28	12.5	16	18	11	3.8

Catalog Number	M	N	P	Q	R	Allowable Load N (kgf)	Net Weight g
MNAT04MTL154-1	1.2	9.8	1	0.8	22.6	157 (16)	17.4
MNAT04MTL154-2	1.5	12.7	1.5	1.2	27.5	98.1 (10)	35.4



THE FIGURE SHOWS MNAT04MTL154-2. THE SHAPE OF MNAT04MTL154-1 IS SLIGHTLY DIFFERENT FROM MNAT04MTL154-2.



## LATCHES, PULL-DOWN, Ring

**RoHS**  
COMPLIANT



### • APPLICATIONS

Measuring instruments / Machine tools / Railcars / Vehicles /  
Special equipped vehicles

### • CHARACTERISTIC

The longer lever makes it easy to open and close the latch.

### • PARTS LIST

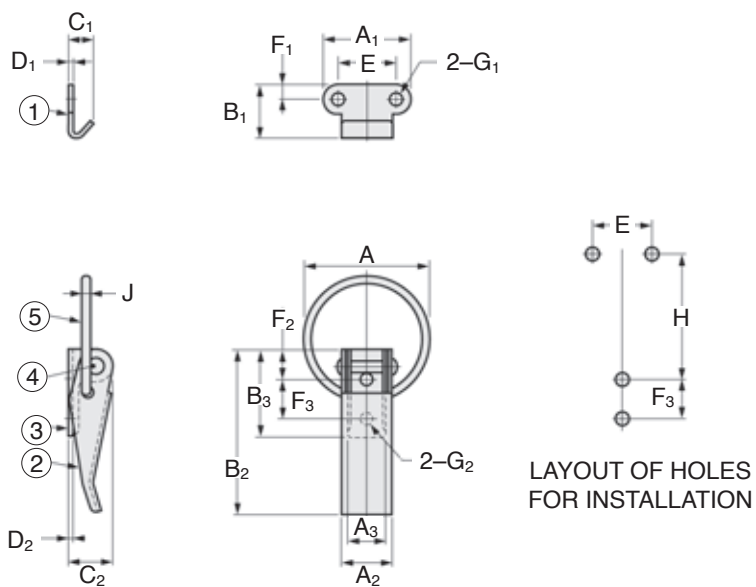
No.	Part Name	Material	Finish	Qty.
1	Strike Plate	Steel	Zinc Plated	1
2	Lever			
3	Base			
4	Pin			
5	Arm	Piano Wire		

### • LATCHES

5

Catalog Number	A	A <sub>1</sub>	A <sub>2</sub>	A <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	C <sub>1</sub>	C <sub>2</sub>	D <sub>1</sub>	D <sub>2</sub>
MNAT07M1TL116-2	Ø27	23.5	12	9.5	17	<sup>38</sup> REF.	24	7.5	10.5	1.6	1
MNAT07M2TL116-1	Ø55	37.5	21.5	17.2	22	72	38	11	19	2	1.6

Catalog Number	E	F <sub>1</sub>	F <sub>2</sub>	F <sub>3</sub>	G <sub>1</sub>	G <sub>2</sub>	H	J	Allowable Load N (kgf)	Net Weight g
MNAT07M1TL116-2	16	3.25	8	10	Ø3.2	Ø3.2	31	2	90 (9.17)	16
MNAT07M2TL116-1	25	6	13	17	Ø5.2	Ø5.2	55.5	3.5	350 (35.7)	70.5



## LATCHES, PULL-DOWN

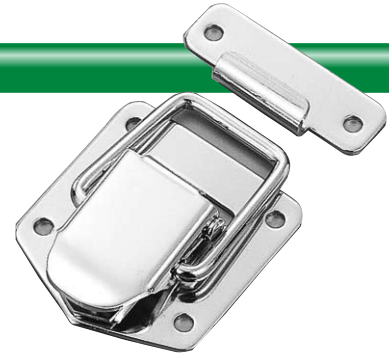


### • APPLICATIONS

Measuring instruments / Various types of boxes

### • CHARACTERISTIC

The lever stays stationary even when it is in the unlatched position.



### • PARTS LIST

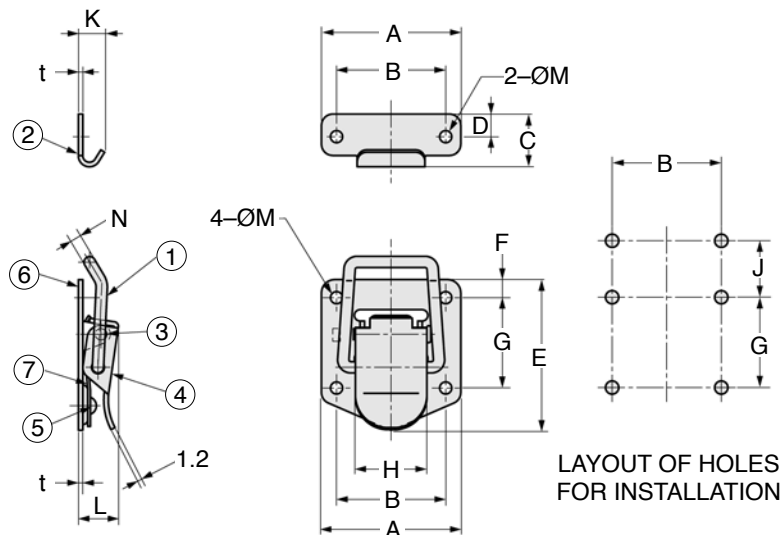
No.	Part Name	Material	Finish	Qty.
1	Arm	Stainless Steel*	—	1
2	Strike Plate	Brass	Nickel Plated	
3	Pin			
4	Lever			
5	Rivet			
6	Base			
7	Plate Spring	Phosphor Bronze		

\*Catalog Number **MNAT09M2TL217-2** Material is Brass, Nickel Plated

### • LATCHES

Catalog Number	A	B	C	D	E	F	G	H	J	K	L Ref.
<b>MNAT09M1TL217-3</b>	25	20	10.5	4	25	3.8	15	12.5	11.5	5	6.3
<b>MNAT09M2TL217-2</b>	30	24	10		30	5	17.5	16	12.5	6	9
<b>MNAT09M3TL217-1</b>	37	29	14	6	40	4.8	24	19	15	7	10.6

Catalog Number	M	N	t	Allowable Load N (kgf)	Net Weight g
MNAT09M1TL217-3	2.8	Ø2	1	50 (5.10)	11.4
MNAT09M2TL217-2	3.2	Ø2.5		80 (8.15)	15.6
MNAT09M3TL217-1		Ø3	1.2		32.5



THE FIGURE SHOW **MNAT09M3TL217-1**. THE SHAPES OF THE ARM ① AND THE LEVER ④ OF **MNAT09M2TL217-2** AND **MNAT09M1TL217-3** ARE SLIGHTLY DIFFERENT FROM THE FIGURE SHOWN

## LATCH, PULL-DOWN



### • APPLICATIONS

Measuring instruments / Telecommunication devices / Machine tools /  
Various types of boxes

### • CHARACTERISTICS

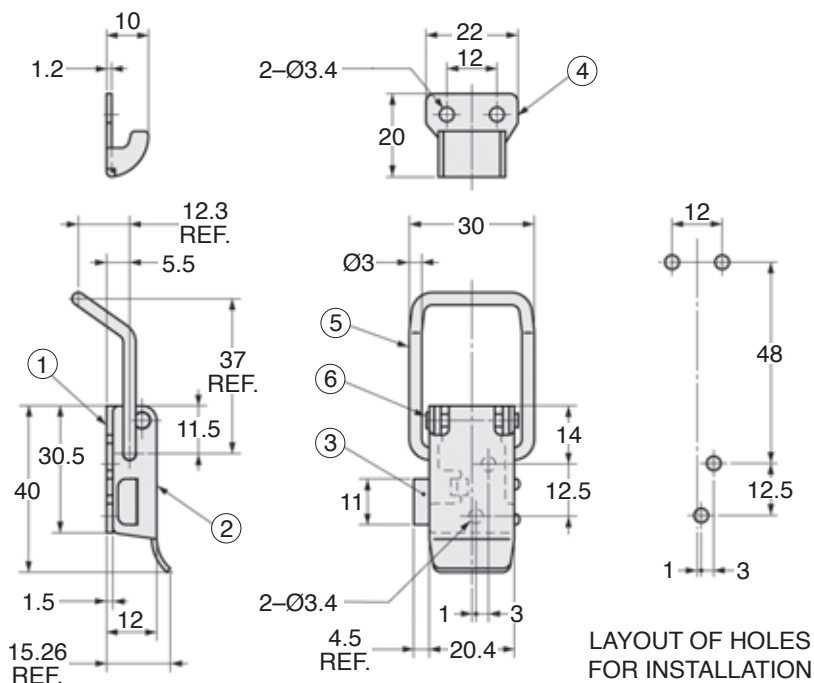
You can lock the lever by gently pressing the lever down, which eliminates the worry that it may unlatch from vibration. To open, lift the lever while pressing on the push button on the side. The latch is made of stainless steel and has excellent corrosion and chemical resistance.

### • PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Base	Stainless Steel	Barrel Polishing	1
2	Lever			
3	Push Button			
4	Strike Plate			
5	Arm		—	
6	Pin			

### • LATCH

Catalog Number	Net Weight g
MNAT08MTL314	36



## LATCH, PULL-DOWN, Stainless Steel



### • APPLICATIONS

Measuring instruments / Control boards / Distribution panels /  
Distribution boards

### • CHARACTERISTICS

The strike plate and mounting screws are hidden under the cover enhancing the design of the catch. The use of springs absorbs the vibration.

### • PARTS LIST

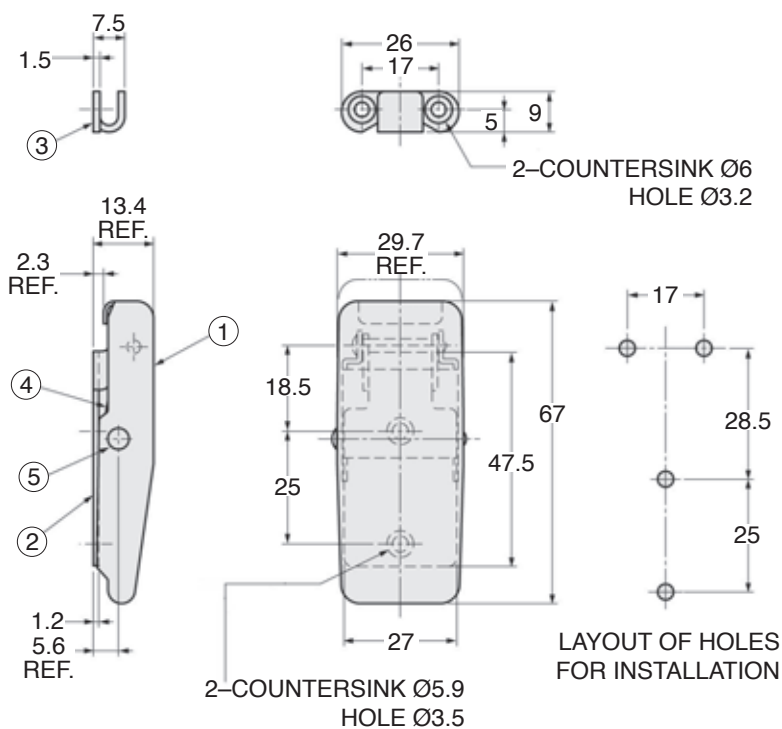
No.	Part Name	Material	Finish	Qty.
1	Lever	Stainless Steel	Barrel Polishing	1
2	Base			
3	Strike Plate			
4	Arm		—	2
5	Pin			

5

### • LATCH

Catalog Number	Tightening Force N (kgf)	Net Weight g
MNAT03MTL329-1	Approx. 52 (5.3)	46.8

**NOTE:** Countersunk holes on the mounting side should be deburred before using screws or rivets.



## HANDLES, SNAP-IN LATCH



### • APPLICATIONS

Control boards / Control boxes / Boxes for gauge boards

### • CHARACTERISTIC

Handle is made of stainless steel and has excellent corrosion resistance.

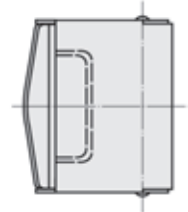
### • OPERATION INSTRUCTIONS

Lift up the lock first before opening the lid. To lock, first close the lid all the way.

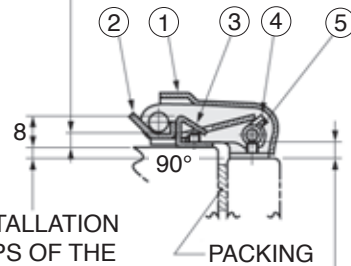
### • PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Cover	Stainless Steel	Barrel Polished	1
2	Lock			
3	Strike Plate			
4	Spring			
5	Pin		—	

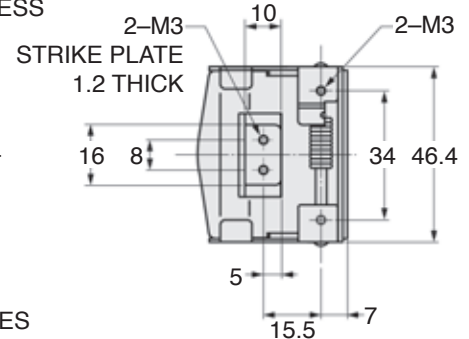
MNAT25MTL296-1



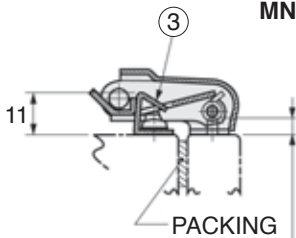
PROTRUSION OF SCREW HEAD SHOULD BE 3.2 OR LESS



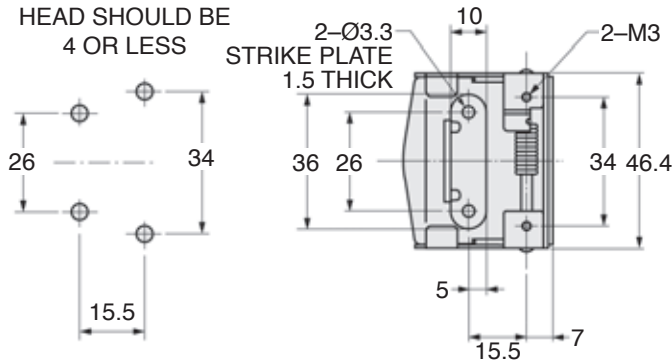
PROTRUSION OF SCREW HEAD SHOULD BE 4 OR LESS



MNAT25MTL296-2



PROTRUSION OF SCREW HEAD SHOULD BE 4 OR LESS



LAYOUT OF HOLES FOR INSTALLATION



## LATCH, CLAM

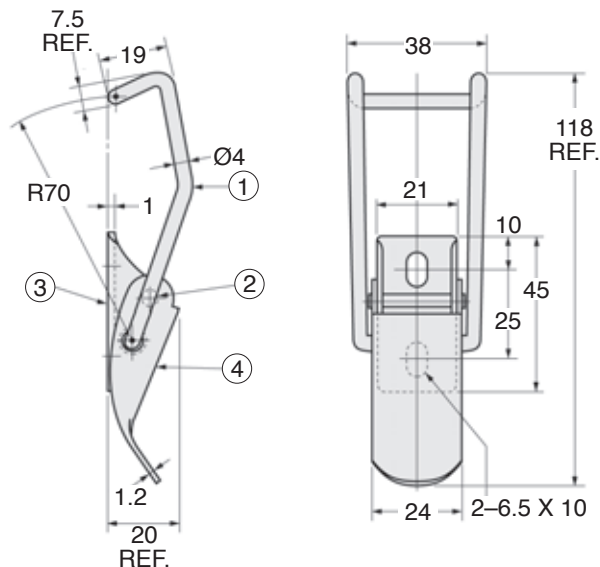
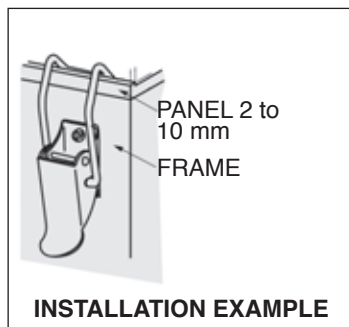
**RoHS**  
COMPLIANT

### • APPLICATIONS

Measuring instruments / Machine tools

### • CHARACTERISTICS

Latch is made of stainless steel and has excellent corrosion and chemical resistance. No strike plate is required.



### • PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Arm	Stainless Steel	Barrel Polishing	1
2	Pin			
3	Base			
4	Lever			

5

### • LATCH

Catalog Number	Allowable Load N (kgf)	Net Weight g
MNAT12MTL141	78.5 (8)	54.2

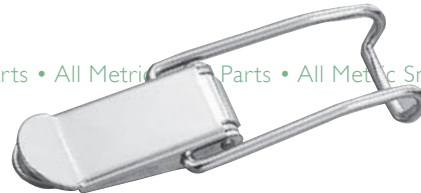
All Metric Small Parts • All Metric Small Parts • All Metric Small Parts • All Metric Small Parts • All Metric Small Parts • All Metric Small Parts • All Metric Small Parts

### • APPLICATIONS

Measuring instruments / Machine tools

### • CHARACTERISTIC

No strike plate is required.

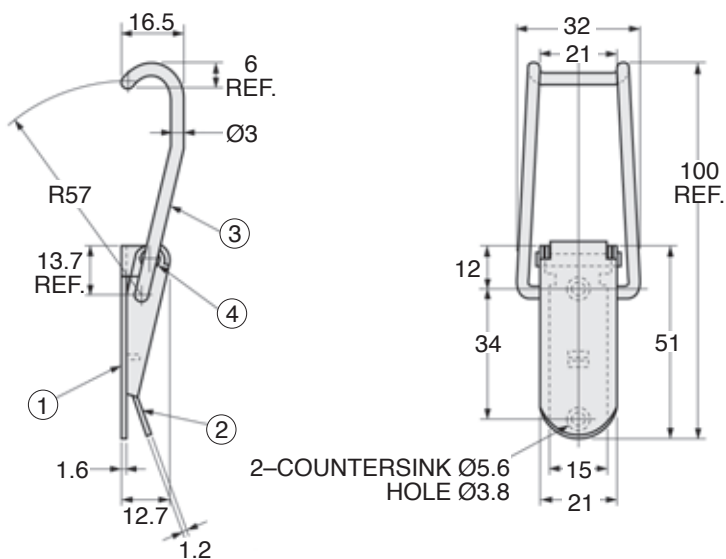


### • PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Base	Steel	Bright Zinc Plated	1
2	Lever		Chrome Plated	
3	Arm			
4	Pin	Stainless Steel	—	

### • LATCH

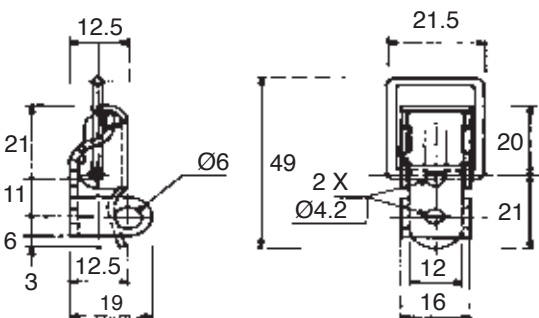


Catalog Number	Net Weight g
MNAT12MTL198	34.2



## LATCHES, TOGGLE, 49 & 82 mm

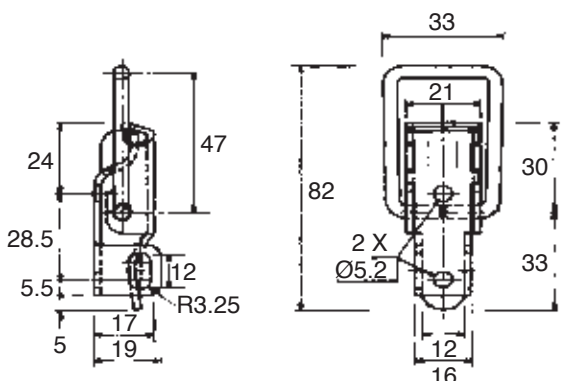


**RoHS**  
COMPLIANT

For industrial use

CATALOG NUMBER (49 mm)		Use With Strike Plate Catalog Number: MNAY5NM61001.., MNAY5NM61004.., MNAY5NM61005.. MNAY5NM61007.., MNAY5NM61008.., MNAY5NM61011..
Stainless Steel	Steel, Zinc Plated	
MNAY1NM600U042PC	MNAY1NM600U042JB	
MNAY1NM600U043PC	MNAY1NM600U043JB	
		

For force up to 250 N (25.5 kgf)

For industrial use

CATALOG NUMBER (82 mm)		Use With Strike Plate Catalog Number: MNAY5NM61002.., MNAY5NM61003.., MNAY5NM61006.. MNAY5NM61012.., MNAY5NM61013.., MNAY5NM61014..
Stainless Steel	Steel, Zinc Plated	
MNAY1NM600U044PC	MNAY1NM600U044JB	
MNAY1NM600U045PC	MNAY1NM600U045JB	
		

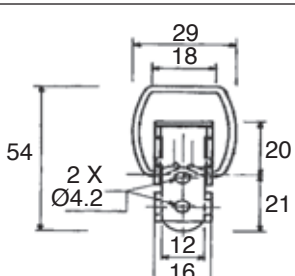


For force up to 300 N (30.6 kgf)

## LATCHES, TOGGLE, 54 & 122 mm



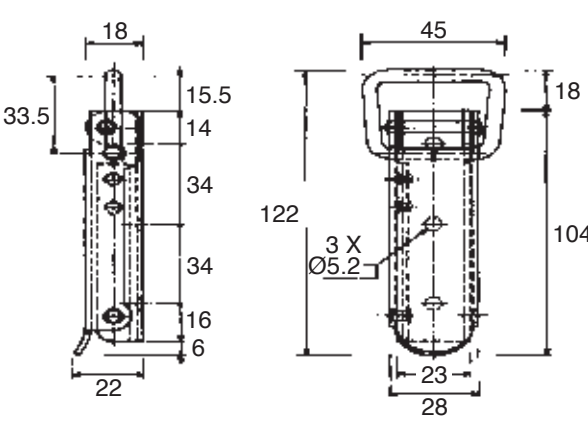




### • FLEXIBLE WIRE

The curved link provides resistance under shock loads

CATALOG NUMBER (54 mm)		Use With Strike Plate Catalog Number: MNAY5NM61001.., MNAY5NM61004.., MNAY5NM61005.. MNAY5NM61007.., MNAY5NM61008.., MNAY5NM61011..
Stainless Steel	Steel, Zinc Plated	
MNAY1NM601U032PC	MNAY1NM601U032JB	 <p>For force up to 250 N (25.5 kgf)</p>
		

### • RIGID WIRE

For packing case applications, vehicles, etc.

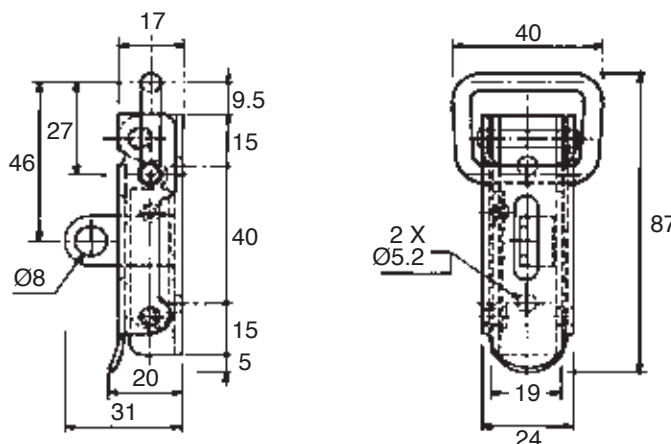
CATALOG NUMBER (122 mm)		Use With Strike Plate Catalog Number: MNAY5NM61012.., MNAY5NM61013.., MNAY5NM61014.. MNAY5NM61016.., MNAY5NM61017..
Stainless Steel	Steel, Zinc Plated	
MNAY1NM602U015PC	MNAY1NM602U015JB	
MNAY1NM602U014PC	MNAY1NM602U014JB	
		<p>For force up to 3000 N (306 kgf)</p>
		

## LATCHES, TOGGLE, 87 & 59 mm



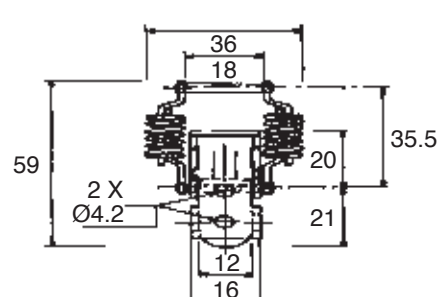
### • RIGID WIRE

For packing case applications, vehicles, etc.

CATALOG NUMBER (87 mm)		Use With Strike Plate Catalog Number: MNAY5NM61002.., MNAY5NM61006.., MNAY5NM61012.. MNAY5NM61013.., MNAY5NM61014..
Stainless Steel	Steel, Zinc Plated	
MNAY1NM602U077PC	MNAY1NM602U075JB	 <p>For force up to 2500 N (255 kgf)</p>
MNAY1NM602U073PC	MNAY1NM602U073JB	

### • SPRING LOADED

Vibrationproof, gasket pull-ups

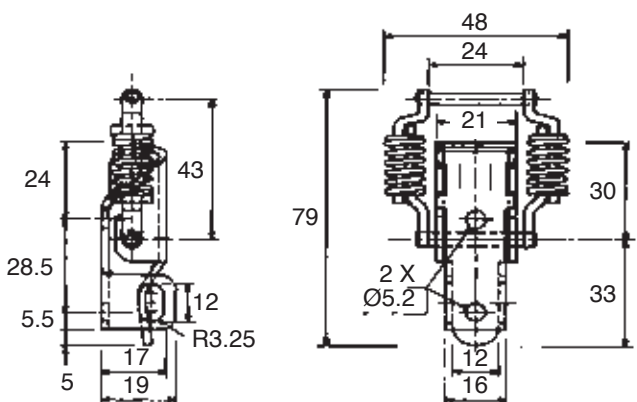
CATALOG NUMBER (59 mm)		Use With Strike Plate Catalog Number: MNAY5NM61004.., MNAY5NM61005.., MNAY5NM61007.. MNAY5NM61008..
Stainless Steel	Steel, Zinc Plated	
MNAY2NM604U022PC	MNAY2NM604U022JB	 <p>For force up to 300 N (30.6 kgf)</p>

## LATCHES, TOGGLE, 79 & 61 mm



### • SPRING LOADED

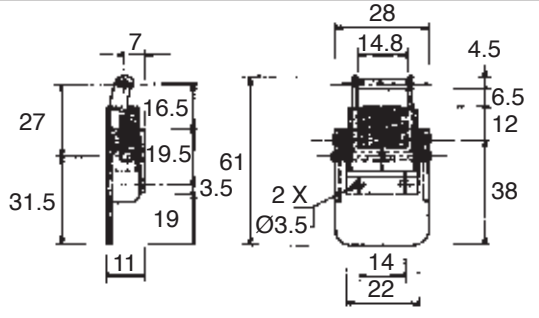
Vibrationproof, gasket pull-ups

CATALOG NUMBER (79 mm)		Use With Strike Plate Catalog Number: MNAY5NM61002.., MNAY5NM61005.., MNAY5NM61006.. MNAY5NM61008.., MNAY5NM61012..
Stainless Steel	Steel, Zinc Plated	
MNAY2NM604U024PC	MNAY2NM604U024JB	
MNAY2NM604U025PC	MNAY2NM604U025JB	

For force up to 450 N (45.9 kgf)

### • CONCEALED

Vibrationproof

CATALOG NUMBER (61 mm)		Use With Strike Plate Catalog Number: MNAY5NM61005.., MNAY5NM61007.., MNAY5NM61011..
Stainless Steel	Steel, Zinc Plated	
MNAY3NM605U028PC	MNAY3NM605U028JB	

For force up to 300 N (30.6 kgf)

## LATCHES, TOGGLE, 57.5 & 38 mm

**RoHS**  
COMPLIANT

### • CONCEALED

Vibrationproof

CATALOG NUMBER (57.5 mm)		Use With Strike Plate Catalog Number: MNAY5NM61005.., MNAY5NM61007.., MNAY5NM61011..
Stainless Steel	Steel, Zinc Plated	
MNAY3NM605U029PC	MNAY3NM605U029JB	<p>For force up to 300 N (30.59 kgf)</p>

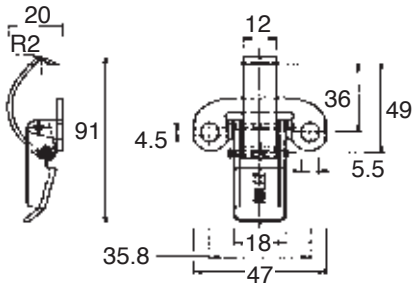

### • CONCEALED

Vibrationproof

CATALOG NUMBER (38 mm)		Use With Strike Plate Catalog Number: MNAY5NM61001.., MNAY5NM61004.., MNAY5NM61005.. MNAY5NM61007.., MNAY5NM61008.., MNAY5NM61011..
Stainless Steel	Steel, Zinc Plated	
MNAY3NM605U200PC	MNAY3NM605U200JB	<p>For force up to 400 N (40.79 kgf)</p>


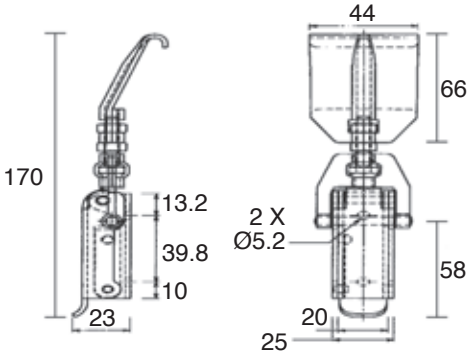
• **CLAW LINKS**

For special applications

CATALOG NUMBER		Use With Strike Plate Catalog Number: MNAY5NM61001., MNAY5NM61004., MNAY5NM61005..
Stainless Steel	Steel, Zinc Plated	
MNAY4NM607U435PC	MNAY4NM607U435JB	 <p>For force up to 1300 N (132.56 kgf)</p>
		

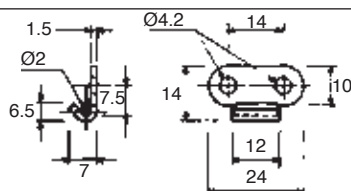


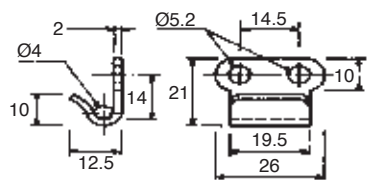


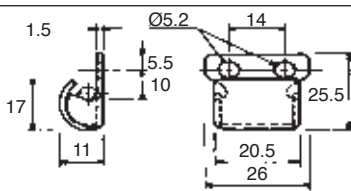


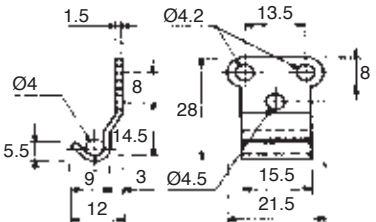

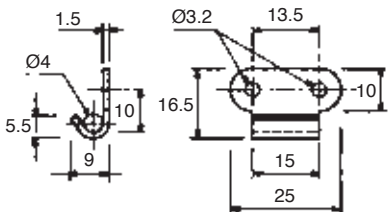


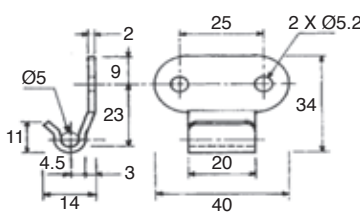


• **ADJUSTABLE • SOFT OPENING**

For gasket pull-ups; adjustable from 0 to 6 mm

CATALOG NUMBER	Use With StrikePlate Catalog Number: MNAY5NM61018..
Steel, Zinc Plated	
MNAY4NM608U364JB	
	 <p>170 44 66 23 13.2 39.8 10 2 X Ø5.2 58 20 25</p>
	For force up to 3000 N (305.9 kgf)

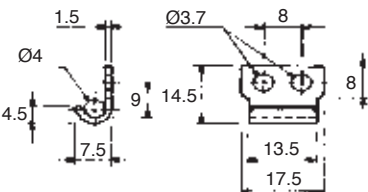


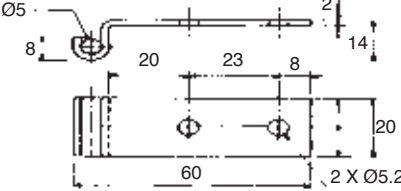


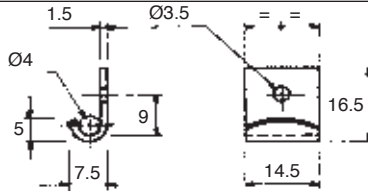

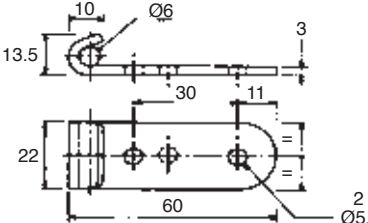


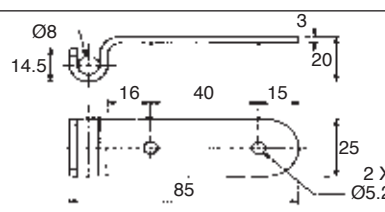


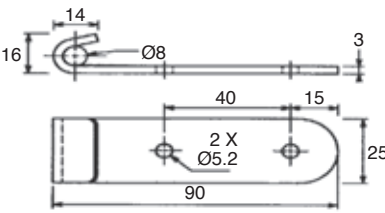




## LATCHES, TOGGLE STRIKE PLATES


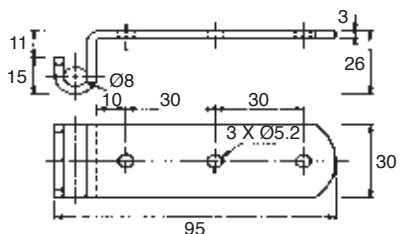

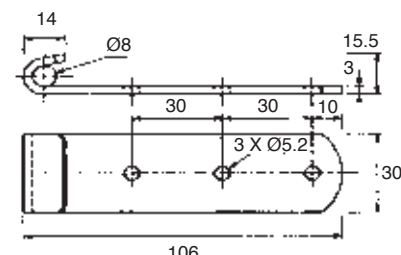

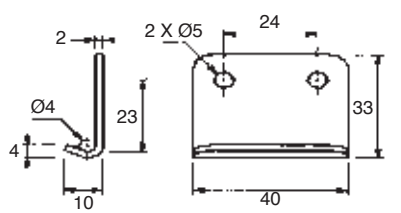
SIZE	CATALOG NUMBER			Use With Toggle Latch Catalog Number
	Stainless Steel	Steel, Zinc Plated		
24 X 14	<b>MNAY5NM61001PC</b>	<b>MNAY5NM61001JB</b>		MNAY1NM600U042.. MNAY1NM600U043.. MNAY1NM601U032.. MNAY3NM605U200.. MNAY4NM607U435..
				
26 X 21	<b>MNAY5NM61002PC</b>	<b>MNAY5NM61002JB</b>		MNAE01M600U635.. MNAY1NM600U044.. MNAY1NM600U045.. MNAY1NM601U032.. MNAY1NM602U073.. MNAY1NM602U075.. MNAY1NM602U077.. MNAY2NM604U024.. MNAY2NM604U025..
				
26 X 25.5	<b>MNAE04M61003PC</b>	<b>MNAY5NM61003JB</b>		MNAY1NM600U044.. MNAY1NM600U045.. MNAY2NM604U024.. MNAY2NM604U025..
				
21 X 28		<b>MNAY5NM61004JB</b>		MNAY1NM600U042.. MNAY1NM600U043.. MNAY1NM601U032.. MNAY2NM604U022.. MNAY2NM604U024.. MNAY2NM604U025.. MNAY3NM605U200.. MNAY2NM607U435..
				
25 X 16.5	<b>MNAY5NM61005PC</b>	<b>MNAY5NM61005JB</b>		MNAY1NM600U042.. MNAY1NM600U043.. MNAY1NM601U032.. MNAY2NM604U022.. MNAY2NM604U024.. MNAY2NM604U025.. MNAY3NM605U028.. MNAY3NM605U029.. MNAY3NM605U200.. MNAY4NM607U435..
				
40 X 34	<b>MNAY5NM61006PC</b>	<b>MNAY5NM61006JB</b>		MNAY1NM600U044.. MNAY1NM600U045.. MNAY1NM601U032.. MNAY1NM602U073.. MNAY1NM602U075.. MNAY1NM602U077.. MNAY2NM604U024.. MNAY2NM604U025..
				

## LATCHES, TOGGLE STRIKE PLATES

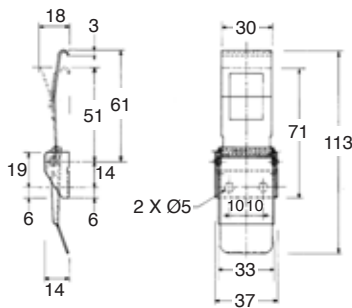

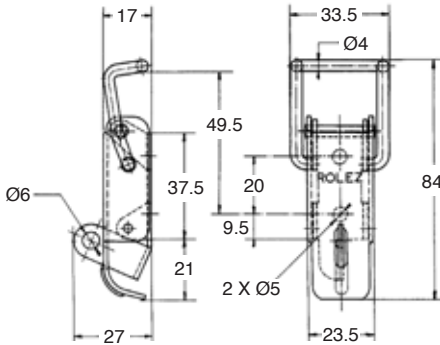


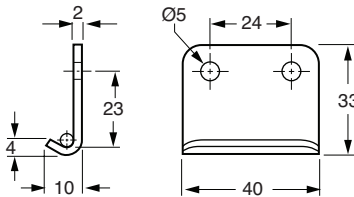

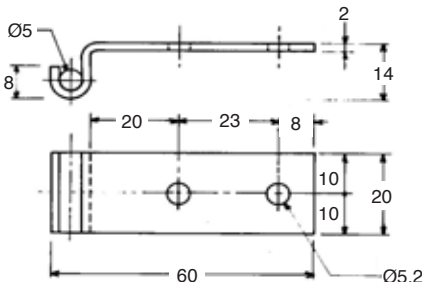

**RoHS**  
COMPLIANT

SIZE	CATALOG NUMBER			Use With Toggle Latch Catalog Number
	Stainless Steel	Steel, Zinc Plated		
17.5 X 14.5	<b>MNAY5NM61007PC</b>	<b>MNAY5NM61007JB</b>		MNAY1NM600U042.. MNAY1NM600U043.. MNAY1NM601U032.. MNAY2NM604U022.. MNAY3NM605U028.. MNAY3NM605U029.. MNAY3NM605U200..
				
60 X 20	<b>MNAY5NM61008PC</b>	<b>MNAY5NM61008JB</b>		MNAY1NM600U042.. MNAY1NM600U043.. MNAY1NM601U032.. MNAY2NM604U022.. MNAY2NM604U024.. MNAY2NM604U025.. MNAY3NM605U200..
				
14.5 X 16.5		<b>MNAY5NM61011JB</b>		MNAY1NM600U042.. MNAY1NM600U043.. MNAY1NM601U032.. MNAY3NM605U028.. MNAY3NM605U029.. MNAY3NM605U200..
				
22 X 60	<b>MNAY5NM61012PC</b>	<b>MNAY5NM61012JB</b>		MNAY1NM600U044.. MNAY1NM600U045.. MNAY1NM602U014.. MNAY1NM602U015.. MNAY1NM602U073.. MNAY1NM602U075.. MNAY1NM602U077.. MNAY2NM604U024.. MNAY2NM604U025..
				
25 X 85	<b>MNAY5NM61013PC</b>	<b>MNAY5NM61013JB</b>		MNAY1NM600U044.. MNAY1NM600U045.. MNAY1NM602U014.. MNAY1NM602U015.. MNAY1NM602U073.. MNAY1NM602U075.. MNAY1NM602U077..
				
25 X 90	<b>MNAY5NM61014PC</b>	<b>MNAY5NM61014JB</b>		MNAY1NM600U044.. MNAY1NM600U045.. MNAY1NM602U014.. MNAY1NM602U015.. MNAY1NM602U073.. MNAY1NM602U075.. MNAY1NM602U077..
				

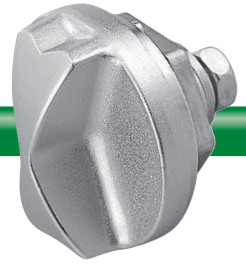
## LATCHES, TOGGLE STRIKE PLATES

SIZE	CATALOG NUMBER Steel, Zinc Plated		Use With Toggle Latch Catalog Number
30 X 95	MNAY5NM61016JB		
30 X 106	MNAY5NM61017JB		
40 X 33	MNAY5NM61018JB		

# LATCHES, TOGGLE & STRIKE PLATES

SIZE	CATALOG NUMBER		Use With Catalog Number
	Stainless Steel	Steel, Zinc Plated	
5	MNAE03M607U81PC		
			
	MNAE01M600U635PC	MNAE01M600U635JB	
			
40 X 33	MNAE04M61018PC		
			
60 X 20	MNAE04M61009PC		
			

## HANDLE, GRIP LATCH

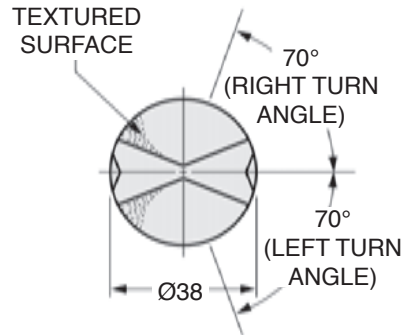


### • APPLICATIONS

Doors for small devices / Controller boxes /  
Distribution panels / Distribution boards

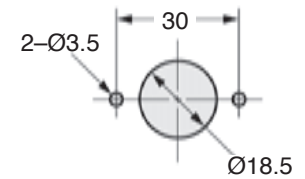
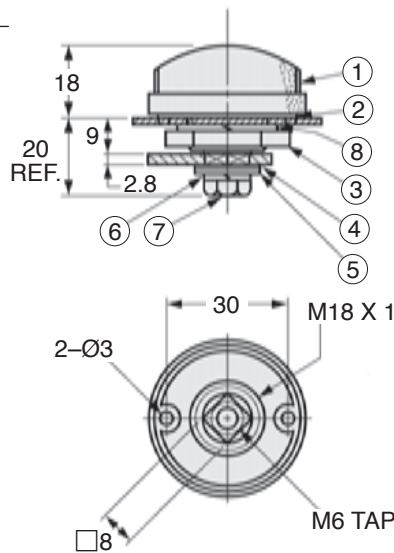
### • CHARACTERISTICS

The handle contains a dial shaped grip. The simple appearance and two-tone surface treatment enhances the appearance of the device.



### • PARTS LIST

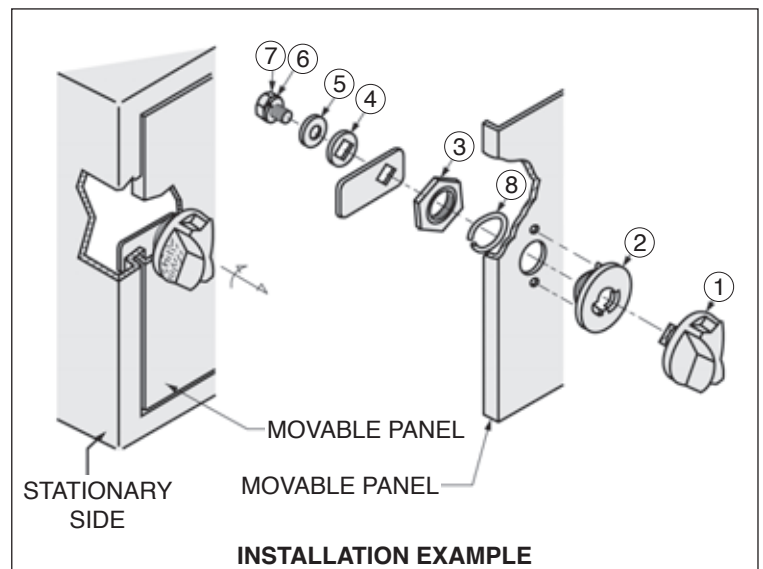
No.	Part Name	Material	Finish	Qty.
1	Handle	Zinc Die Cast	Chrome Plated	1
2	Flange			
3	Hexagonal Nut			
4	Square Hole Washer	Steel	Zinc Plated	
5	Washer			
6	Spring Washer			
7	Hexagon Bolt	Steel Wire		
8	Ring Washer			

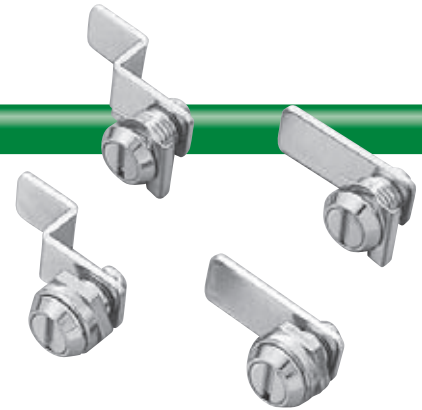


LAYOUT OF HOLES FOR INSTALLATION  
(BOTH LEFT AND RIGHT SIDE)

### • HANDLE

Catalog Number	Net Weight g
MNAT16MTHA227	88





#### • APPLICATIONS

Disaster prevention devices / Distribution boards /  
Distribution panels / Control boards

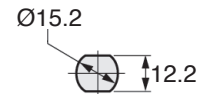
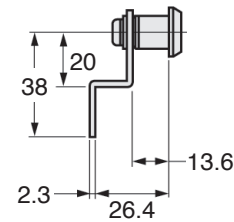
#### • CHARACTERISTICS

An easy-to-use latch with carefully selected mechanism and type to get small but appropriate performance as box lid pawls for disaster prevention devices. Just turn it with a small coin in the slot on the front of the body. It even has a detent action tactile feedback of clicking at the end of a stroke. A retainer mounting type is available to reduce the installing process.

#### • SPECIFICATIONS

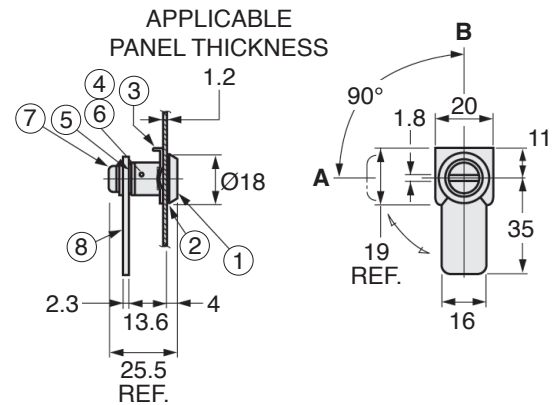
1. Rotational angle from **A** to **B** for the coin slot is 90°.
2. The position of the lever can be changed in 90° movements.
3. The lever for **MNAT14MTL265-2** and **MNAT14MTL265B-2** is bent in a crankshaft shape.

**MNAT14MTL265-2**  
**MNAT14MTL265B-2**



LAYOUT OF A HOLE  
FOR INSTALLATION

**MNAT14MTL265B-1**



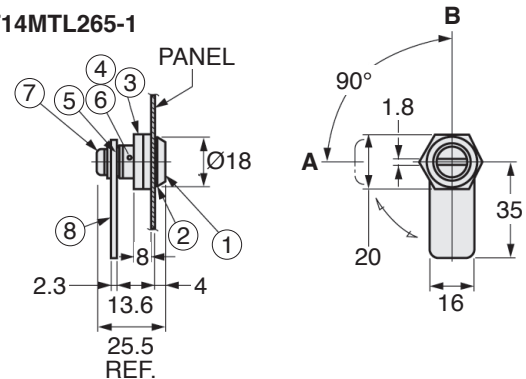
#### • PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Slit Shaft	Zinc Die Cast	Chrome Plated	1
2	Sleeve		Zinc Plated	
3	...MTL265...: Nut	Stainless Steel	—	
4	Spring		—	2
5	Stopper Retainer		—	
6	Ball	Steel	Zinc Plated	1
7	Screw with Washer		Zinc Plated	
8	Lever			

#### • LATCHES

Catalog Number	Net Weight g
<b>MNAT14MTL265B-1</b>	30.5
<b>MNAT14MTL265B-2</b>	33.9
<b>MNAT14MTL265-1</b>	36
<b>MNAT14MTL265-2</b>	40

**MNAT14MTL265-1**



## LATCH, PANEL - Coin Slotted



### • APPLICATIONS

Vehicles / Disaster prevention devices /  
Distribution boards / Control boards /  
Doors for any kind of maintenance board.

### • CHARACTERISTICS

The lever is staked onto the body preventing it from loosening by vibration. Can use either a right- or a left-side door by changing the orientation of the mounting holes. A simple lock to operate using a coin or an equivalent.

### • INSTALLATION

Remove the mounting nut and the toothed washer from the body. Insert the body into a mounting hole, the tip of the lever first. Put the mounting nut and the toothed washer in from the lever end. Then tighten the mounting nut securely.

### • SPECIFICATIONS

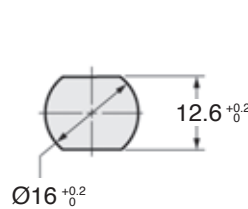
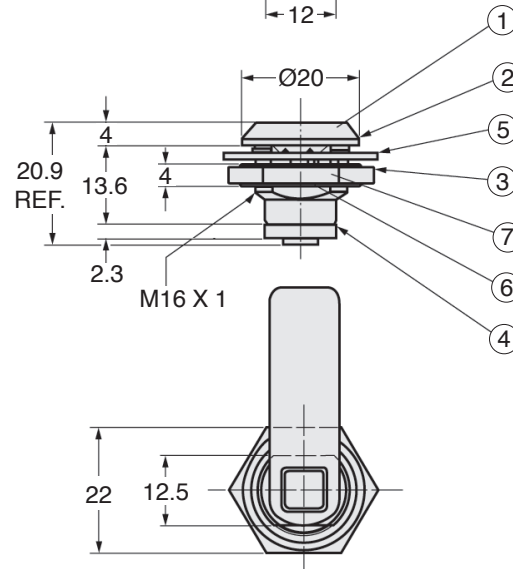
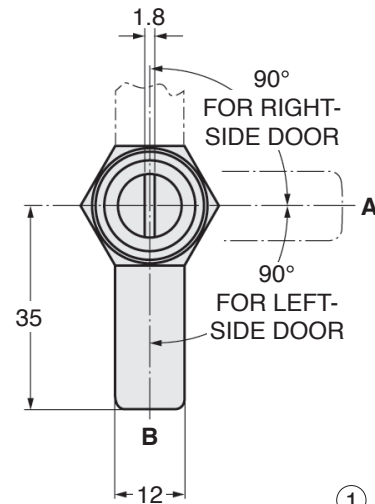
A rotation of the coin slot and the lever points **A** & **B** is 90°. A detent mechanism is at point **A** & **B**. Panel thickness for mounting is 2 mm max.

### • PARTS LIST

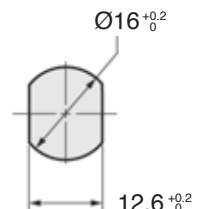
No.	Part Name	Material	Finish	Qty.
1	Slotted Head	Zinc Die Cast	Chrome Plated	1
2	Case		Chrome Plated	
3	Mounting Nut	Steel	Zinc Plated	
4	Lever		Zinc Plated	
5	Toothed Washer	Stainless Steel	—	2
6	Spring		—	
7	Ball		—	

### • HANDLE

Catalog Number	Net Weight g
MNAT14MTL302	35



FOR RIGHT-SIDE DOOR



FOR LEFT-SIDE DOOR

LAYOUT OF HOLES FOR INSTALLATION





• **APPLICATION**

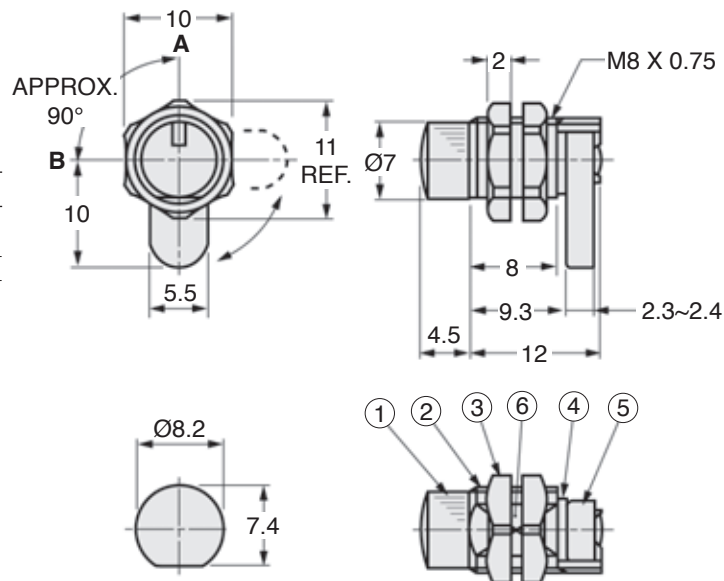
Measuring instruments

• **CHARACTERISTIC**

A small and space saving fastener.

• **PARTS LIST**

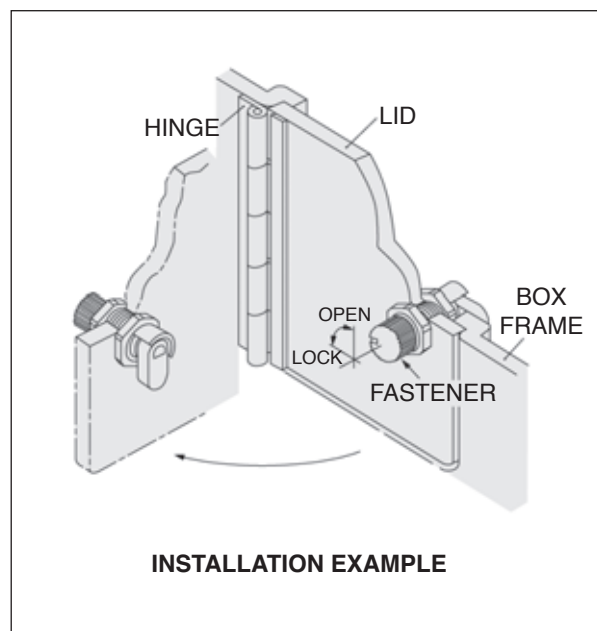
No.	Part Name	Material	Finish	Qty.
1	Knob	Brass	Chrome Plated	1
2	Sleeve			
3	Mounting Nut		Nickel Plated	2
4	Collar			
5	Latch	Stainless Steel	—	1
6	Spring			



LAYOUT OF A HOLE  
FOR INSTALLATION

• **HANDLE**

Catalog Number	Net Weight g
<b>MNAT14MTL211</b>	6.3



## KNOB, FASTENER



### • APPLICATIONS

Airplanes / Automobiles / Communication equipment /  
Measuring instruments

### • CHARACTERISTIC

Used as a door fastener on a container.

### • OPERATION INSTRUCTIONS

Turning the knob 90° from **A** to **B** rotates the locking arm.  
Rotating the knob a further 90° from **B** to **C** tightens the  
arm axially by 3.5 mm.

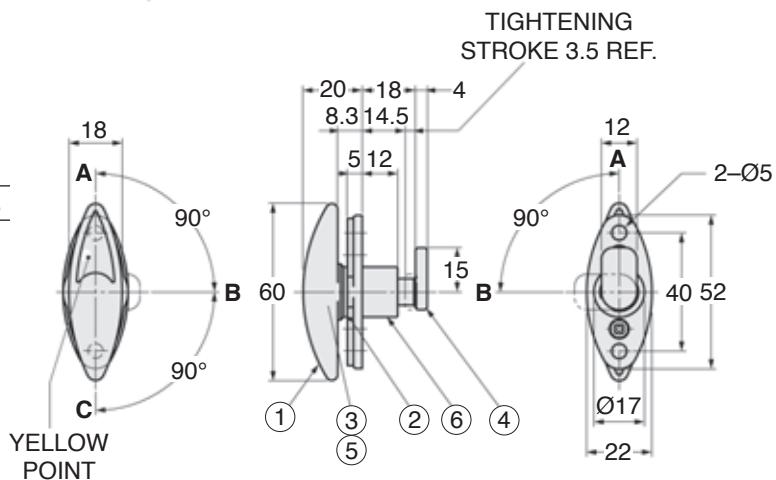
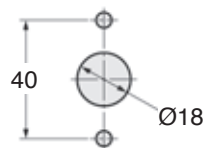
### • PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Knob	Stainless Steel	Barrel Polished	1
2	Collar			
3	Cam			
4	Locking Arm			
5	Spring			
6	Flange			

### • KNOB

Catalog Number	Net Weight g
MNAT24MTL341	94

LAYOUT OF HOLES  
FOR INSTALLATION



## LATCH, SLIDING - Stainless Steel

### • APPLICATIONS

Telecommunication devices / Medical instruments /  
Machine tools

### • CHARACTERISTIC

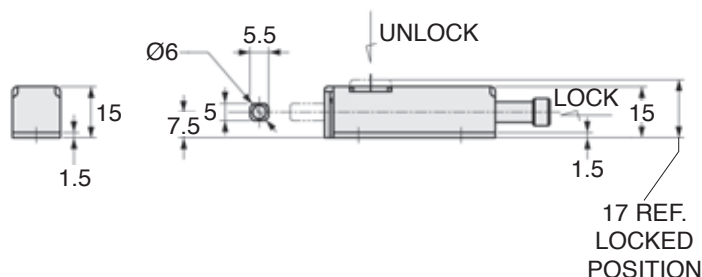
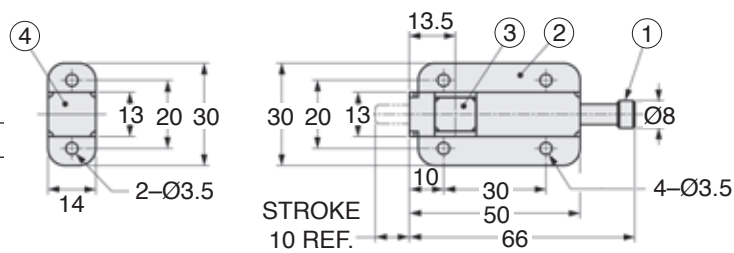
A sliding latch which can be locked or unlocked  
with a single touch.

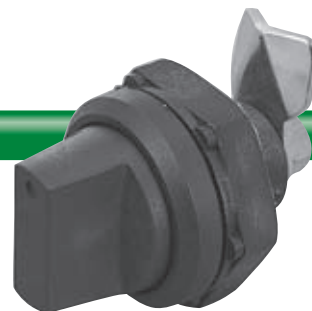
### • PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Lock Button	Stainless Steel	—	1
2	Case			
3	Push Button			
4	Strike Plate		Barrel Polished	

### • LATCH

Catalog Number	Specification	Net Weight g
MNAT36MTL323001	Body and Strike Plate Set	62.2





• **APPLICATIONS**

Control boxes / Various types of light-weight doors

• **CHARACTERISTIC**

Play in the door, when closed, is eliminated by the built-in spring of the latch.

• **PARTS LIST**

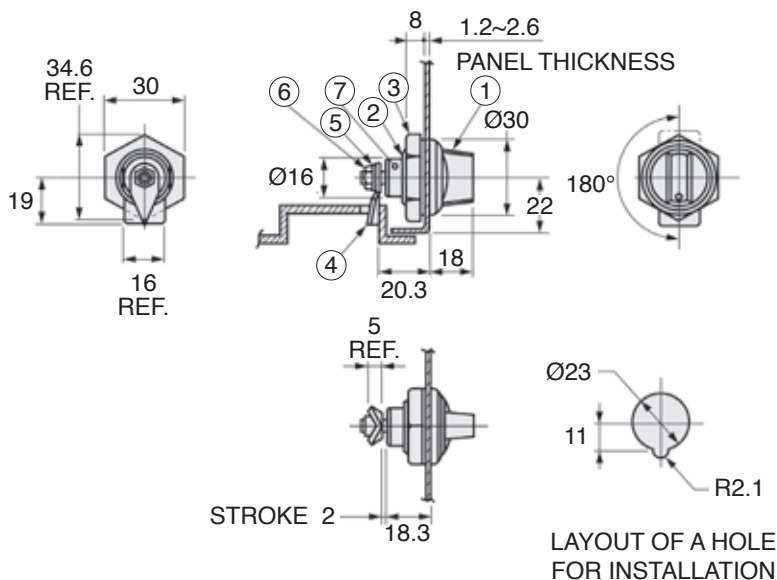
No.	Part Name	Material	Finish	Qty.
1	Knob	Plastic / Steel	Black / Zinc Plated	1
2	Housing	Plastic	Black	
3	Mounting Nut			
4	Lever	Steel	Zinc Plated	
5	Locking Washer			
6	Hexagonal Nut			
7	Spring	Stainless Steel	—	

5

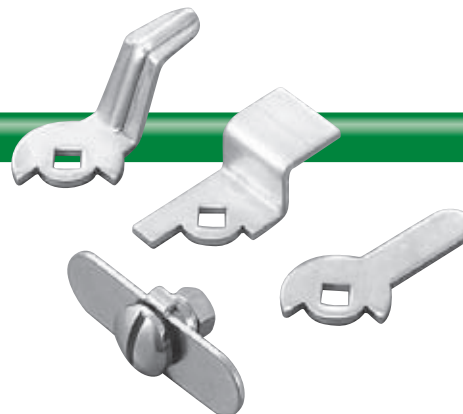
• **HANDLE**

Catalog Number	Draw-In Force N (kgf)	Net Weight g
<b>MNAT13MTL284</b>	11.8 (1.2) ~ 18.6 (1.9)	35

**NOTE:** Tightening torque for the mounting nut ③ should be 2 N · m (20 kgf · cm) or less.



## LATCHES, PANEL - Coin Slotted



### • APPLICATIONS

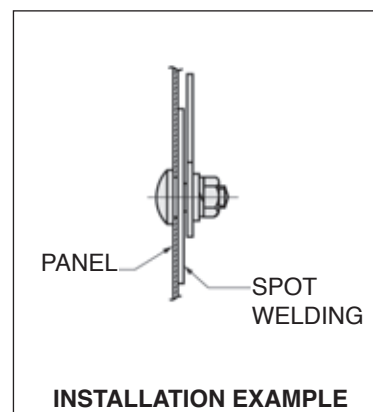
Measuring instruments / Distribution panels

### • CHARACTERISTIC

Use a screwdriver or a coin to turn this simple lock.

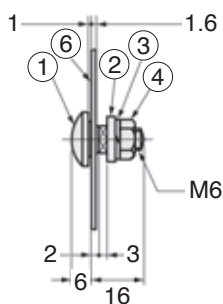
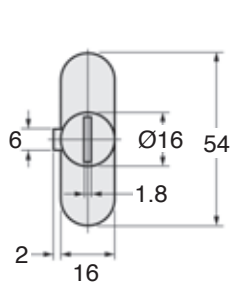
### • PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Slotted Head Screw	Brass	Nickel Plated	1
2	Spacer		—	
3	Spring Washer		Steel	
4	Hexagonal Nut	Zinc Plated		
5A	Lever			
5B	Lever			
5C	Lever			
6	Attaching Plate			

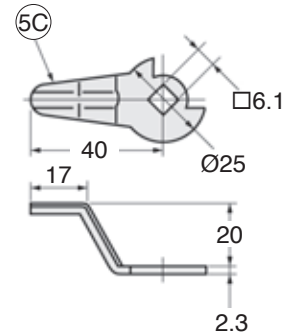
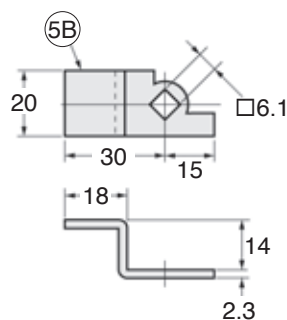
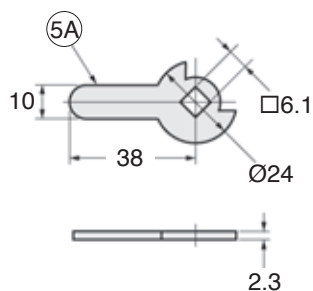
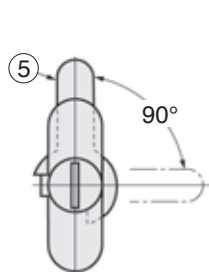
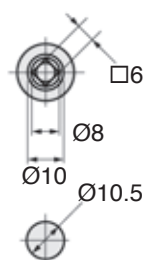


### • LATCH SETS

Catalog Number	Set Includes Following Parts	Net Weight g
MNAT15MTL94-001	① ② ③ ④ 5A ⑥	34.2
MNAT15MTL94-002	① ② ③ ④ 5B ⑥	40.2
MNAT15MTL94-003	① ② ③ ④ 5C ⑥	38.2
MNAT15MTL94-004	① ② ③ ④ ⑥	24.2



### LAYOUT OF A HOLE FOR INSTALLATION





## STOPPER, SNAP



### • APPLICATIONS

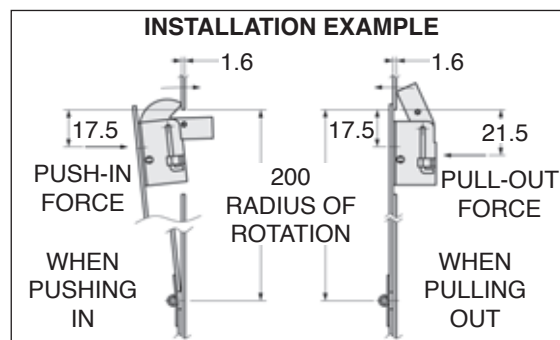
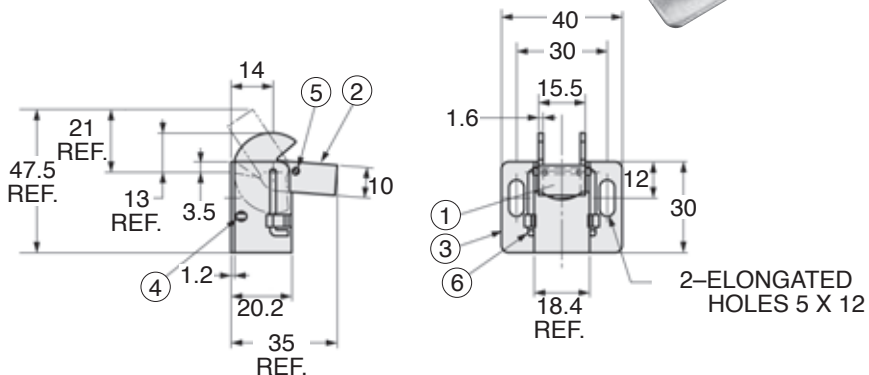
Various type of machine tools / Packaging machines /  
Small storage boxes

### • CHARACTERISTICS

Just push a lid in to make it hold in place with this turnover type stopper. Vibration can be absorbed, since tensile force of the spring holds the latch.

### • PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Spring	Piano Wire	Zinc Plated	1
2	Latch	Steel		
3	Housing			
4	Pin			
5	Pin			
6	Pin			2



### • STOPPER

Catalog Number	Push-in Strength N (kgf) for 1.6 Thickness	Pull-out Strength	Net Weight g
MNAT33MTL249	Approx. 40 (4)	Approx. 50 (5)	33.4

## LATCH, CRESCENT

### • APPLICATIONS

Vessels / Vehicles / Machine tools

### • CHARACTERISTIC

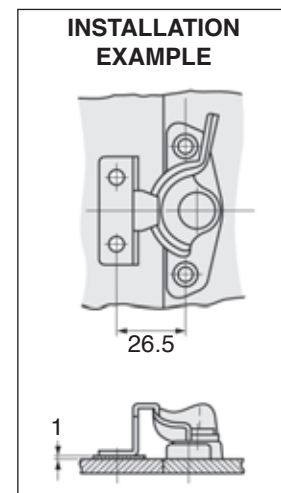
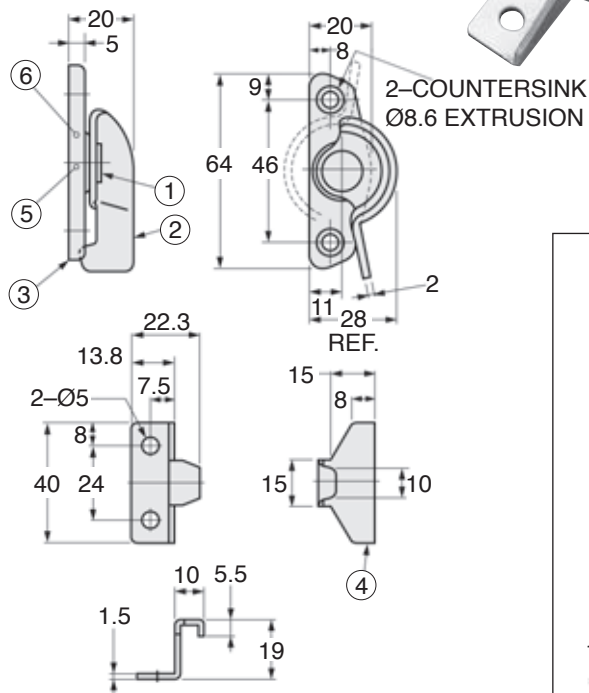
The latch is made of stainless steel to get more effective anticorrosion and chemical resistance.

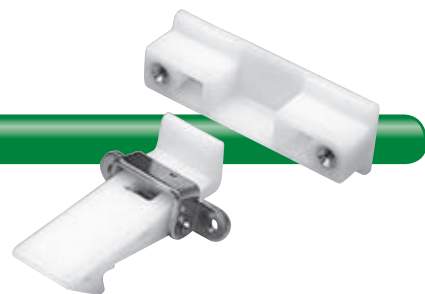
### • PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Pivot Pin	Stainless Steel	—	1
2	Lever			
3	Base			
4	Strike Plate			
5	Cam			
6	Spring	Piano Wire		

### • LATCH

Catalog Number	Net Weight g
MNAT34MTL153	45.7

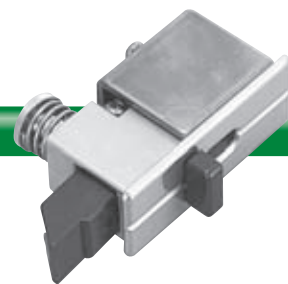






# LATCH, SLAM - Double Action

**RoHS**  
COMPLIANT



## • APPLICATIONS

Distribution boards / Distribution panels / Control boards / Various types of boxes

## • CHARACTERISTIC

When the door is very tall or wide and there are two or more latches, a latch can be kept open while reaching others.

## • OPERATION INSTRUCTIONS

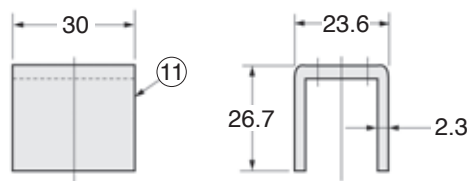
1. The door is locked when the door is closed by the mechanism of the latch. The lock pin hits the preinstalled angle and gets pushed in. (Fig. 1)
2. When opening, slide the lever. The latch will remain retracted (open-hold mechanism). (Fig. 2)
3. Opening the door allows the latch to return to the original position.
4. The lever and the latch move together. When the lock pin is not used, it can be used as an ordinary latch.

## • PARTS LIST

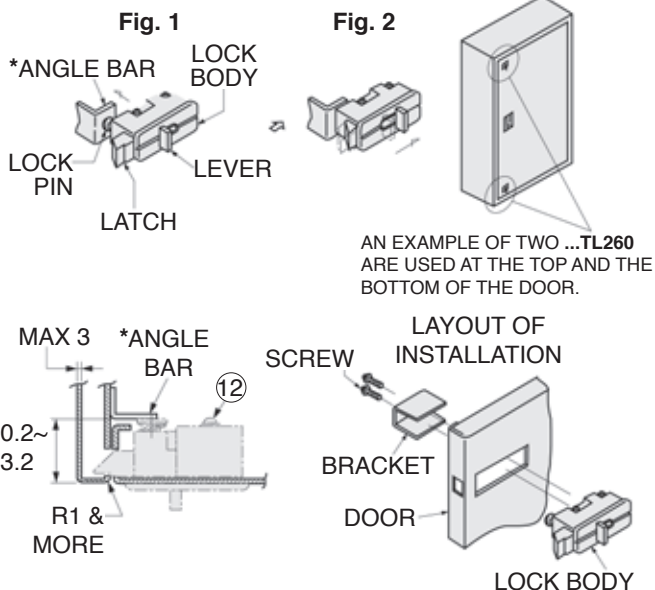
No.	Part Name	Material	Finish	Qty.
1	Case	Zinc Die Cast	Nickel Plated (Dull Finish)	1
2	Case		Nickel Plated	
3	Stop Holder		Nickel Plated	
4	Cap		Nickel Plated	
5	Latch	Acetal	Black	—
6	Lock Pin	Brass	—	
7	Spring	Stainless Steel	—	
8	Spring		—	
9	Spring		—	
10	Spring Pin	Steel	Zinc Plated	4
11	Bracket		Zinc Plated	
12	Pan Head Small Screw		Zinc Plated	

## • LATCH

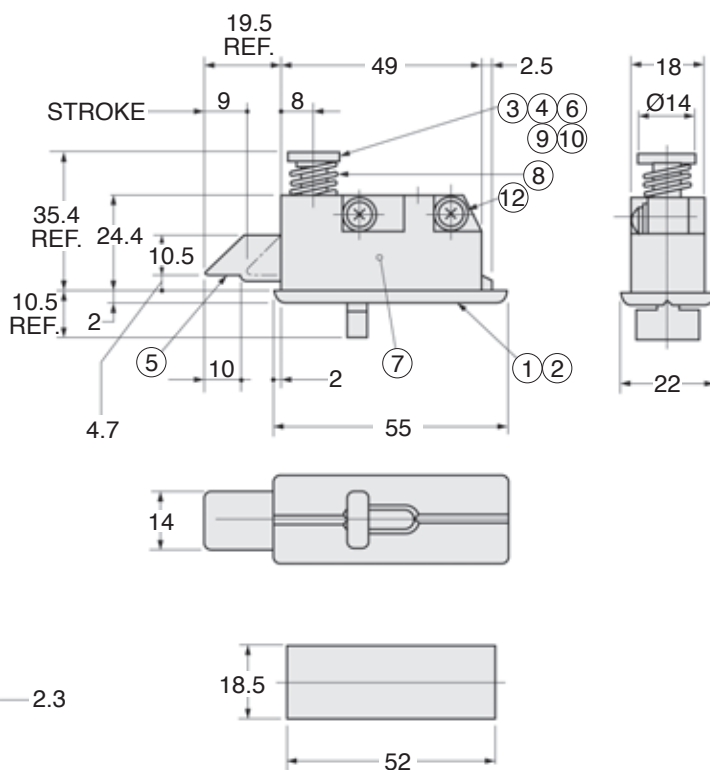
Catalog Number	Net Weight g
<b>MNAT31MTL260</b>	131



## INSTALLATION EXAMPLE



\*Angle bar is not included.



LAYOUT OF A HOLE FOR INSTALLATION

## LATCH, PUSH-PULL



### • APPLICATION

Double doors

### • CHARACTERISTICS

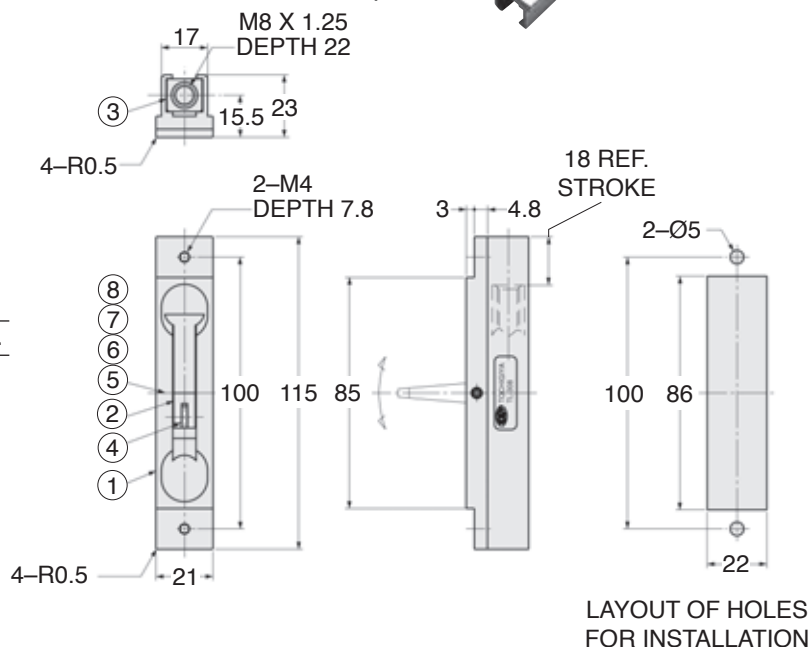
To install, embed latch in a door. Can be locked and unlocked with a rod through lever operation.

Use rod below: **MNAT35M.TL408...**

(Rod sold separately)

### • PARTS LIST

No.	Part Name	Material	Finish	Qty.
1	Base	Die Cast Aluminum	Silver Metallic	1
2	Lever	Acetal	Black	
3	Slider		White	
4	Arm	Stainless Steel	—	
5	Spring			
6	Wave-shaped Spring Pin			
7	Wave-shaped Spring Pin			
8	Wave-shaped Spring Pin			



### • LATCH

Catalog Number	Net Weight g
MNAT35MTL308	66

### • APPLICATION

Use with push-pull latch above, **MNAT35MTL308**.



### • ROD – Steel, Zinc Plated

Catalog Number	A	Net Weight g
MNAT35M1TL4082	150	98.5
MNAT35M2TL4081	550	345