

## TRIMS & HINGE

### Anti-Ligature Lever, LR25

- 100 % solid stainless steel
- Sloped surface, concealed fasteners, & mechanic clutch that allows the lever to rotate in downward or upward position hindering possibility of hanging.
- ADA compliant



### Anti-Ligature Knob, LR27

- 100 % solid stainless steel
- Quadrangle recess design allow thumb and fingertips to rotate this doorknob easily
- Concealed fasteners and smooth facets can slide any cords or strings off easily to prevent possible of hanging



### Anti-Ligature Cylinder Collar, No. 253

- 100 % stainless steel in wrought formed
- Thin, slick and smooth surface minimize ligature attachment opportunity
- Available for standard cylinder and interchangeable core (IC) cylinder use



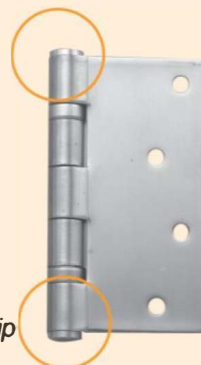
### Anti-Ligature Thumbturn, No. 136

- 100 % solid stainless steel
- Definite stop position prevents over extension
- Slick and smooth surface, concealed fasteners can reduce ligature hooking up opportunity
- ADA compliant



### Hospital Tip Door Hinge

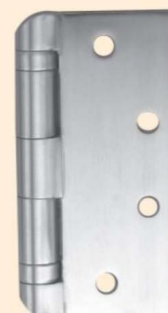
- 100 % solid stainless steel
- Without flat tips on the knuckle joint
- This type of hinge has a sloped tip on both ends, it minimizes any ligature attachment opportunity that enable to protect patient safety



Traditional Hinge – with flat tip

### Hospital Door Hinge

No flat tip on both ends



## Features:

- Lever/knob handle are non-handed
- 100% solid stainless steel construction fabricated. Rose trim formed by CNC machine, handles formed by investment casting. Standard finish is US32D (630)
- Knob trim has deep detents to fit thumb and fingertips, users facilitate to "turn" the knob and "pull" to open the door easily
- Knob, lever, thumbturn, cylinder collar and hinge have designed a sloped surface to reduce opportunity for attaching a ligature
- Lever is always free-moving in clutch freewheeling design that can prevent patients from hanging to suicide by a ligature (bed sheet, bath towel, belt)
- Lock hand is easily field reversible, no need to specify hand when ordering
- Mortise lockcase is compatible with any American manufacturers' standard mortise cylinders (verify cam type)
- Mortise lock meets all Operational Tests of ANSI/BHMA A156.13 – 2015 version Grade 1 requirement
- Knob or lever trim is available in antimicrobial coating upon requested
- Can furnish 6-pin or 7-pin interchangeable core (IC) mortise cylinder, with Schlage C keyway standard
- Trims and mortise lock had been tested/approved by UL Fire Protection Division at Northbrook lab in USA, listed as 3-hour rated locks
- For 1-3/4" (44.5mm) thick doors standard use unless specified
- Use our ANSI Grade 1 M Series mortise locks offered standard mortise lock function including Asylum or Institutional (F30) and Institutional Privacy(F26) and 4 UL listed electrified option, provide a wider selection of uses for all architects, constructions or building owners

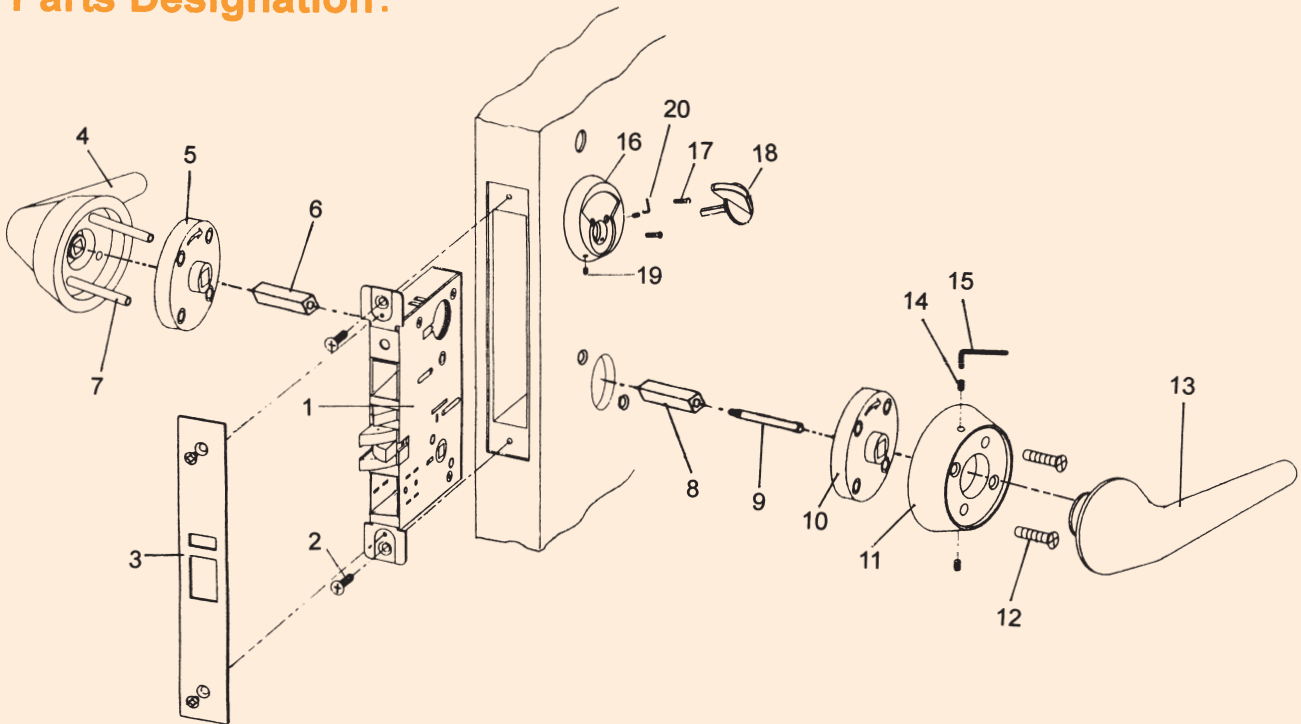
## Popular Use:

1. Behavioral Health Centers
2. Patient Room Door
3. Psychiatric Hospitals
4. State Jails, Federal Prisons
5. Penitentiaries

## Note:

The lever is clutch freewheeling design. When the door is locked, the lever shall free rotate if an excessive force being applied to the horizontal lever in the downward direction. In case the buyer prefers the lever having a bidirectional rotation design, our Anti-Ligature levered Cylindrical Lock can be offered to meet such requirement.

## Parts Designation:



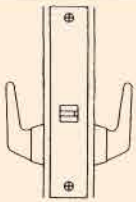
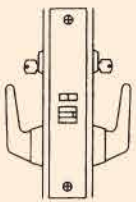
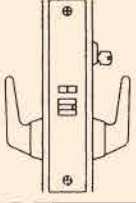
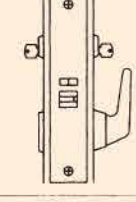
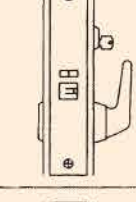
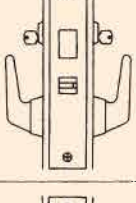
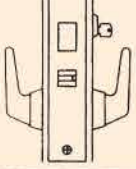
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|--|--|-------------------------|
| 1. Mortise Lock                                      | 8. Spindle B   | 15. Hex Wrench          |
| 2. Mounting Screw x 2                                | 9. Connecting Pin                                    | 16. Thumbturn Base      |
| 3. Armor Faceplate                                   | 10. Reversible Spring Cage<br>(For inside lever use) | 17. Mounting Screw x 2  |
| 4. Outside Lever                                     | 11. Inside Rose Base                                 | 18. Thumbturn           |
| 5. Reversible Spring Cage<br>(For outside lever use) | 12. Mounting Screw Bolt x 2                          | 19. Small Set Screw x 2 |
| 6. Spindle A   | 13. Inside Lever                                     | 20. Small Hex Wrench    |
| 7. Mounting Post x 2                                 | 14. Set Screw x 2                                    |                         |

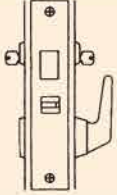
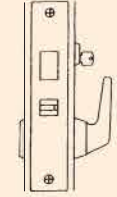
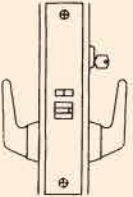
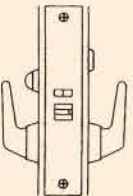
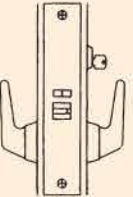
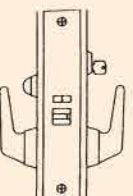
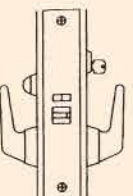
## Installation:

1. Insert mortise lock (No.1) into mortise cut-out if its latchbolt hand matches door hand, then fasten the mortise lock by supplied mounting screws (No. 2) to the door and secure the face plate (No. 3) on the front of the mortise lock.
2. Make sure the direction of outside lever (No. 4) for installing is correct, then place the reversible spring cage (No. 5) into the mounting posts (No. 7).
3. Insert spindle A (No. 6) going thru hub of reversible spring cage into the outside lever, then install the outside lever or knob with mounting posts thru door and position the spindle A into the hub of the mortise lock.
4. Insert spindle B (No. 8) into hub of the mortise lock from inside of the door, and screw the connecting pin (No. 9) going thru the spindle B to connect the opposite spindle A.
5. Place reversible spring cage (No.10) into the ferrules on inside rose base (No.11) and put inside rose base onto the spindle B.
6. Tighten two mounting screw bolts (No.12) with the two mounting posts (No.7) of the outside lever or knob.
7. Put the inside lever or knob (No.13) into the inside rose base and tighten with two set screws (No.14) by hex wrench (No.15).
8. Put thumbturn base (No.16) on the mounting hole and secure it on the inside face of the door by mounting screws (No.17). Insert thumbturn (No.18) into the thumbturn base, fasten thumbturn with two small set screws (No.19) by a small hex wrench (No.20).

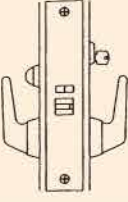
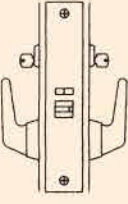
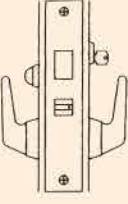
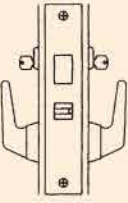
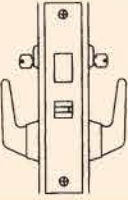


THASE Safety Levers with Popular Mortise Lock Functions for Behavioral Health Care Institutions Use

Function Figures	Behavioral Health Center Popular Functions	ANSI Function Number & Equivalent	THASE Model	Function Description	Operating Status	
					Outside Lever	Inside Lever
<b>Keyless</b>						
	Passage	Passage Latch F01	M1001	<ul style="list-style-type: none"> <li>Operation inside or outside lever/knob at all times</li> </ul>	Can be rotated at any time	Can be rotated at any time
<b>For Asylum use only - no free exit</b>						
	Asylum with Double Cylinder	Asylum or Institution Lock F30	M2030	<ul style="list-style-type: none"> <li>Outside or inside key retracts latchbolt</li> </ul>	Clutch, freewheeling	Clutch, freewheeling
	Asylum without Inside Cylinder	Asylum-1	M2031	<ul style="list-style-type: none"> <li>Only outside key retracts latchbolt</li> </ul>	Clutch, freewheeling	Clutch, freewheeling
	Asylum w/Double Cylinder w/o Inside Lever	Asylum-2	M2032	<ul style="list-style-type: none"> <li>Outside or inside key retracts latchbolt</li> </ul>	Clutch, freewheeling	NIL
	Asylum w/o Inside Cylinder w/o Inside Lever	Asylum-3	M2033	<ul style="list-style-type: none"> <li>Only outside key retracts latchbolt</li> </ul>	Clutch, freewheeling	NIL
	Asylum w/ Deadbolt	Asylum-4 with Deadbolt F14	M2466	<ul style="list-style-type: none"> <li>Outside or inside lever retracts latchbolt, not deadbolt</li> <li>Outside or inside key operates deadbolt</li> </ul>	Operable unless deadbolted	Operable unless deadbolted
	Asylum w/ Deadbolt w/o Inside Cylinder	Asylum-5 with Deadbolt	M2467	<ul style="list-style-type: none"> <li>Outside lever retracts both latch bolt and deadbolt simultaneously</li> <li>Outside key operates deadbolt</li> </ul>	Operable	Clutch, freewheeling

Function Figureses	Behavioral Health Center Popular Functions	ANSI Function Number & Equivalent	THASE Model no	Function Description	Operating Status	
					Outside Lever	Inside Lever
	Asylum w/ Deadbolt w/o Inside Lever	Asylum-6 with Deadbolt	M2468	<ul style="list-style-type: none"> <li>• Outside or inside key operates deadbolt</li> </ul>	Operable unless deadbolted	NIL
	Asylum w/ Deadbolt w/o Inside Cylinder w/o Inside Lever	Asylum-7 with Deadbolt	M2469	<ul style="list-style-type: none"> <li>• Outside Lever retracts latchbolt</li> <li>• Outside key operates deadbolt</li> </ul>	Can open door except when deadbolted	NIL
<b>Most Popular Functions</b>						
	Lockable Patient Room	Classroom Lock F05	M2005	<ul style="list-style-type: none"> <li>• Outside key locks and unlocks outside lever</li> <li>• No inside thumbturn</li> <li>• Free exit at all times</li> </ul>	Lockable, can retract latchbolt when unlocked	Can be rotated at any time
	** Privacy, Bathroom	Privacy, Bathroom	M2001	<ul style="list-style-type: none"> <li>• Removing outside emergency release to entry</li> <li>• Free exit at all times</li> </ul>	Lockable when locked inside thumbturn	Can be rotated at any time
	Medicine Storeroom	Storeroom Lock F07	M2007	<ul style="list-style-type: none"> <li>• Always need key for entry</li> <li>• Outside lever just pull/push only</li> <li>• Free exit at all times</li> </ul>	Clutch, freewheeling	Can be rotated at any time
<b>Other Keyed Functions</b>						
	** Female Patient Room-1	Female Patient Room-1	M2002	<ul style="list-style-type: none"> <li>• Turning outside lever for entry when unlocked by key</li> <li>• Free exit at all times</li> <li>• Remains locked if exiting</li> </ul>	Lockable	Can be rotated at any time
	** Female Patient Room-2	Female Patient Room-2	M2003	<ul style="list-style-type: none"> <li>• Turning outside lever for entry when unlocked by key</li> <li>• Free exit at all times</li> <li>• Remain unlocked if exiting</li> </ul>	Lockable	Can be rotated at any time

The symbol \*\* is the function with an inside thumbturn.

Function Figures	Behavioral Health Center Popular Functions	ANSI Function Number & Equivalent	THASE Model no	Function Description	Operating Status	
					Outside Lever	Inside Lever
	** Supervisor Office or Privacy Room	Institutional Privacy F26	M2026	<ul style="list-style-type: none"> <li>• Outside key retracts latchbolt, with override of inside thumbturn when held in locked position</li> <li>• Outside lever retracts latchbolt except when locked by thumbturn</li> <li>• Free exit at all times</li> </ul>	Lockable	Can be rotated at any time
	Lockable Patient Room, Double Cylinder	Classroom Security Intruder Latchbolt F32	M2032	<ul style="list-style-type: none"> <li>• Turning outside or inside key locks and unlocks outside lever</li> <li>• Outside lever retracts latchbolt, except when outside lever is locked by key</li> <li>• Free exit at all times</li> </ul>	Lockable	Can be rotated at any time
<b>Other Keyd Functions (Continued)</b>						
	** Nurse Dormitory w/Deadbolt	Dormitory w/Deadbolt F13	M2413	<ul style="list-style-type: none"> <li>• Outside key or inside thumbturn projects or retracts deadbolt</li> <li>• Outside lever retracts latchbolt when deadbolt is in retracted position</li> <li>• Inside lever retracts latchbolt and deadbolt simultaneously when deadbolt is projected</li> </ul>	Operable unless deadbolted	Can be rotated at any time
	Medical Academy Conference Room	Classroom Security Intruder Deadbolt F33	M2433	<ul style="list-style-type: none"> <li>• outside lever retracts latchbolt unless outside lever is locked by key from both side</li> <li>• Outside or inside key projects deadbolt</li> <li>• Inside lever retracts latchbolt and deadbolt simultaneously</li> </ul>	Operable unless deadbolted	Can be rotated at any time
	Keyed only w/Deadbolt and Latchbolt	Storeroom Lock w/ Deadbolt	M2466	<ul style="list-style-type: none"> <li>• Outside key or inside key projects deadbolt</li> <li>• Outside or inside key retracts latchbolt and deadbolt</li> </ul>	Clutch, freewheeling	Clutch, freewheeling

Note: Above listed function models are popularly adopted for nation's or private Behavioral Health Centers use. In case customers would like using these Anti-Ligature trims with other ANSI mortise lock functions which are not listed on this chart for commercial or industrial offices use, please see our M Series Lock catalog to specify the function numbers when ordering.