

# Electric Locks

## ML-600/650 Series

Electromechanical, Fail-Secure & Preload Capable



ML-600M

ML-650M

The ML-600/650 series electric locks are high performance locks for single/double action swing doors and provide mechanical override for enhanced security in case of power failure.

### Preload

The ML-600/650 series has a robust stainless steel construction and is designed with its high preload release capability. It opens electrically with up to 300 lbs of preload that allows smooth operation under varying loads on the doors and overcomes door preload problems, such as air-conditioning pressure, warped doors, or heavy weather stripping seals.

### Standard Features

- For single/double action swing doors
- For narrow frames (25 mm wide faceplate)
- Brushed stainless steel construction
- Fail-secure operation
- For vertical installation only
- Door/Latch monitor
- Mechanical override (cylinder & key not included)
- 2 Strike plate options for each type of bolt

### Optional Accessories

- Euro-Profile Cylinder & Key: ECY-72

### Specifications

- Operating Voltage: 12~24VDC
- Current Draw: 600mA / 12VDC, 300mA / 24VDC
- Latch Status Output: 1A/125VAC
- Endurance Rating: 250,000 cycles (Factory tested)
- Preload: 300 lbs of pressure strength
- Backset: 30 mm

### Patents, Approvals, and Listings

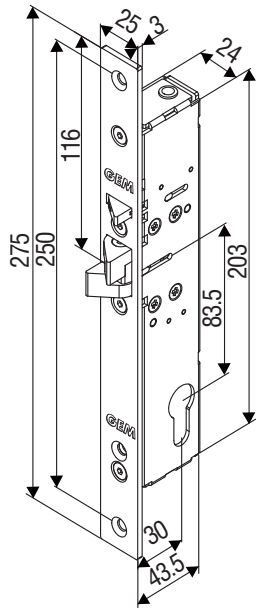
- ML-600 Patent: M606072 (Taiwan)  
ZL 2020 2 1879620.4 (China)



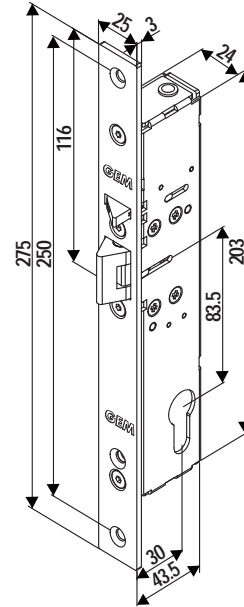
# ML-600/650 Series Dimensions

All dimensions in mm

ML-600M

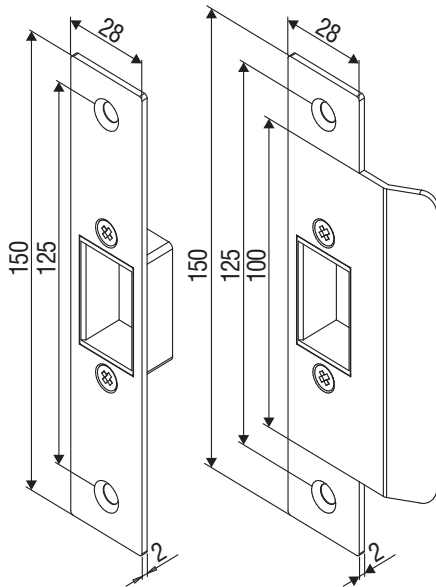


ML-650M

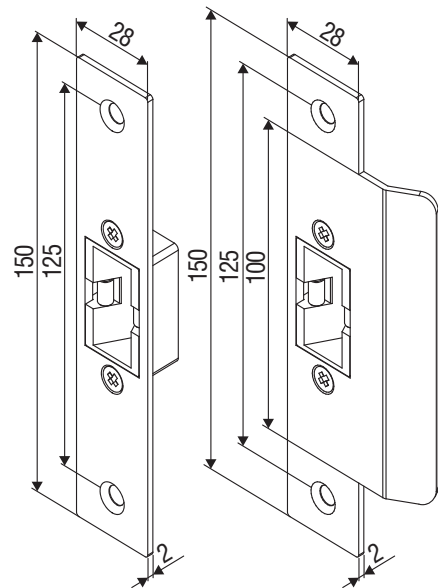


## Strike Plate Dimensions

For ML-600M



For ML-650M



## Optional Cylinder & Key Accessories



ECY-72D  
Euro-profile double cylinder



ECY-72S  
Euro-profile thumbturn cylinder

### Warranty

The product is warranted against defects in material and workmanship while used in normal service for a period of 1 year from the date of sale to the original client. The GEM policy is one of continual development and improvement; therefore GEM reserves the right to change specifications without notice.