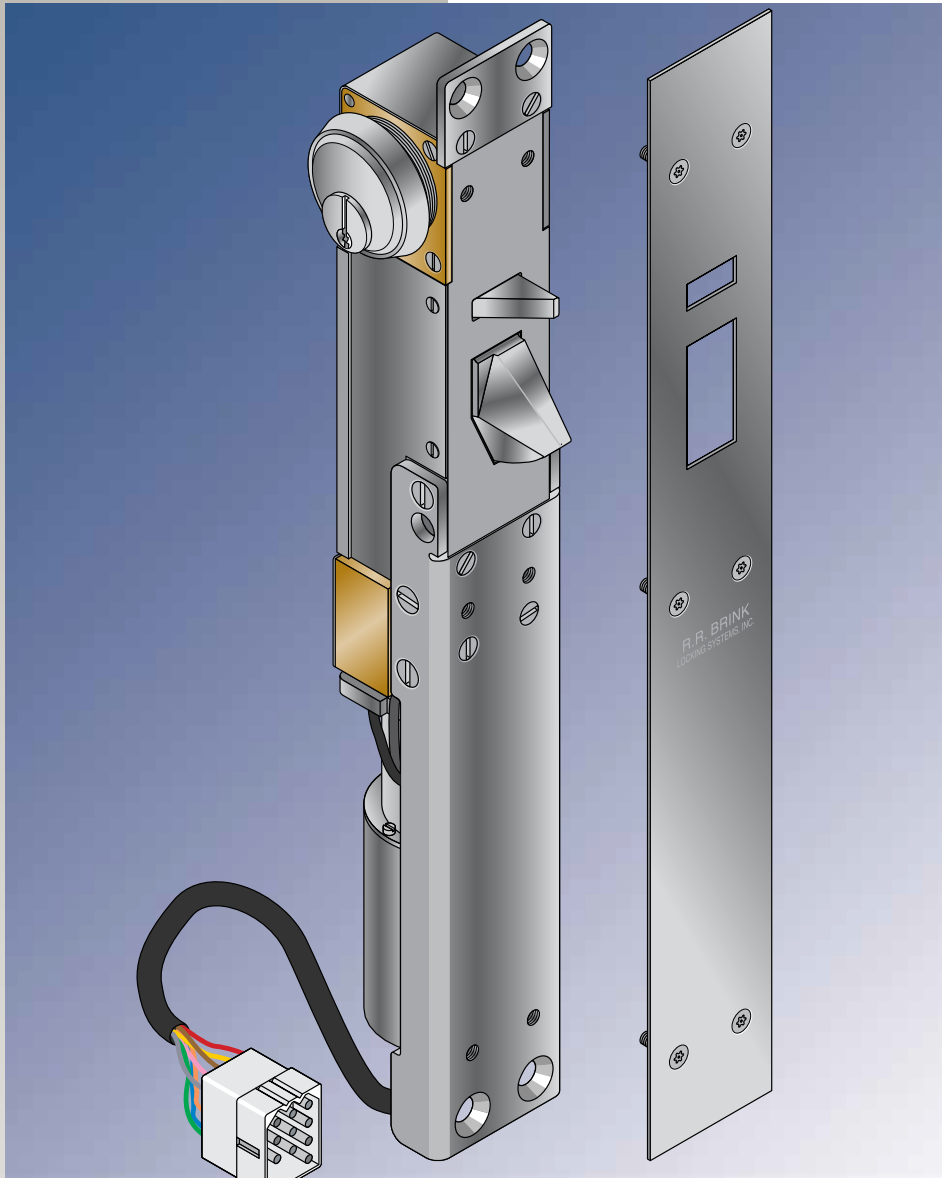


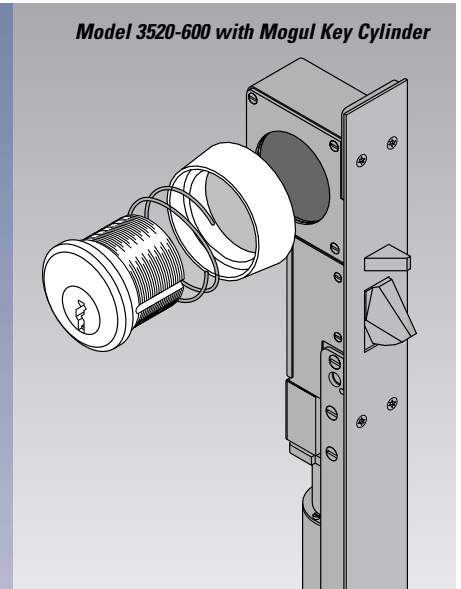
3520-600

Motorized Deadlocking Latch

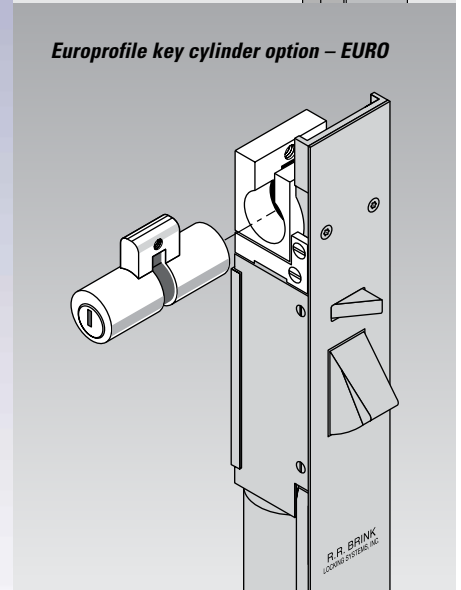
Narrow profile design for jamb/header mounting in standard hollow metal frame. The 24VDC motor drive retracts latch against side loads greater than 600 pounds.*



Model 3520-600 with Mogul Key Cylinder



Europrofile key cylinder option – EURO



* A side load remote bolt retraction test emulating the apparatus/procedure described in ASTM test F1577-05, Section 6.5 resulted in the 3520-600 bolt successfully retracting against a lateral load of 1667 lbs. The test was witnessed by an independent testing laboratory - report available upon request.

Application

- The 3520-600 series is ideal for access control in secure areas of commercial, industrial, governmental, and institutional buildings.
- The 24VDC gearmotor facilitates remote unlocking even when an abnormally high ≥ 600 pound side force is applied against the latch.*
- Electrical functions allow for latch retraction and projection from a remote control point as well as manual key unlocking at the door.
- Commonly used in medium security correctional facilities to provide remotely

controlled electric unlocking of detention area sleeping room and exit doors.

- The narrow depth of the 3520-600 permits mortise mounting in a standard (i.e. 2" trim) hollow metal door frame or an architectural metal tube (e.g. borrowed light frame mullion).
- Impact tested to Security Grade 1 per ASTM F1450 and F1577.
- Installation of the 3520-600 is architecturally unobtrusive and affords superior impact and tamper resistance.

3520-600

Motorized Deadlocking Latch

Narrow profile, designed for metal frame mounting in a standard (i.e. 2" trim) jamb/header. The 24VDC gearmotor drive retracts latch against side loads of ≥600 pounds.*

Standard Features

- Structural and locking parts are stainless steel.
- All other parts and fasteners are copper alloy or stainless steel.
- 3/4" throw cast stainless steel latch with two (2) saw resistant inserts.
- Maintained Switch Latch Holdback (**MSLH**) function (see "Motor Lock Function Reference Guide" for other functions).
- Lock status switch (**LSS**) trips when latch is in deadlocked condition. Used in a signal circuit to indicate lock status – unlocked or deadlocked – via control panel lights and/or alarm devices. The LSS is also used to control an electrical interlock, which permits only one of a group of doors to be unlocked at any time. *Note: For positive, tamper resistant signaling of a closed and deadlocked door, a sensitive door position (DPS) switch must be wired in combination with the LSS. Our DPS Models 201023 or 201030 are recommended.*
- Mechanical operation via customer supplied standard commercial key cylinder with "Yale" type cam. (Factory supplied key cylinder optional.) For stop (push) side frame keying see optional "Key Cylinder Extension" (**KCE**).
- Plug connectors for ease in wiring and removal.
- Exposed fasteners – pinned "Torx" head
- Exposed Faceplate
Satin Stainless Steel – (ANSI 630, US32D)

Electrical Data

- Gearmotor – Permanent magnet type – 1.0 ampere current limited at full load. Voltage must be 24VDC, +5% -10%. A regulated power supply is recommended for optimum performance.
- Lock Status Switch – 120/250VAC, 5 amp, SPDT (Form C)

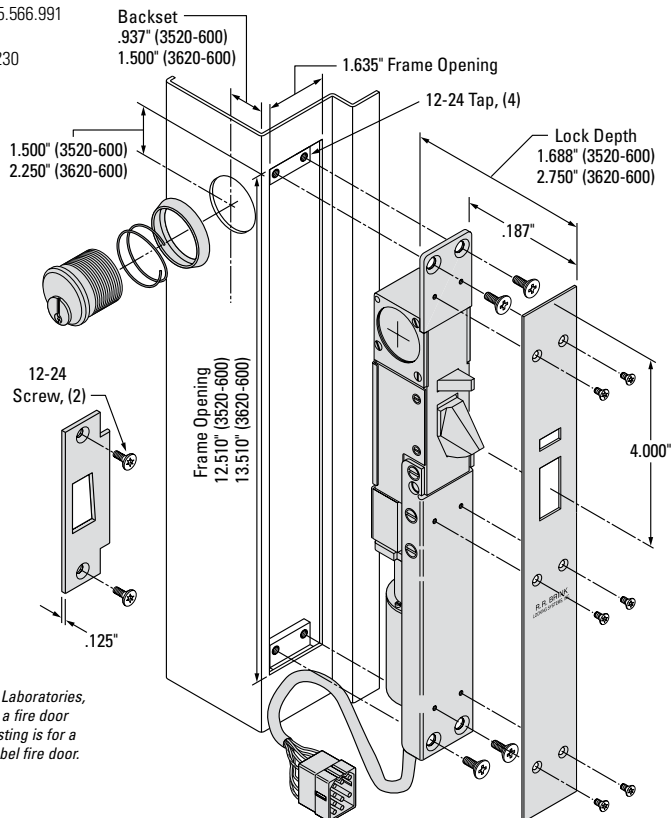
U.S. patents #4237711 & #5,566,991
Canadian patent #1110462
Great Britain patent #2014230

3520-600 with standard cylinder shown

Note: This illustration is for information only. Do not use for construction. Door and frame preparation drawings and wiring schematics are available from the factory.

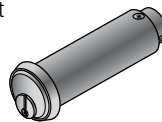


Underwriters Laboratories, Inc. listing as a fire door accessory. Listing is for a 3-hour "A"-label fire door.



Optional Features

- **FKC** – Factory supplied high security key cylinder with a tapered, free-spinning, spring loaded collar – two change keys/cylinder.
- **MOG** – Supplied with RRBS proprietary 2" diameter 6-pin cylinder. Note: With this option, the lock requires a 3" minimum frame face. Model designation is 3620-600.
- **EURO** – Lock is adapted for key operation with an Europrofile cylinder – available with 25mm or 45mm backset.
- **KCE** – Stop (push) side key cylinder extension extends working length of a standard or mogul mortise key cylinder to adapt to jamb depths within a range of 4" to 9" (advise jamb depth dimension). Customer supplied cylinders must be factory fitted to each KCE.
- **MLH** – Mechanical latch holdback by key – latch remains retracted with key removed – available with single side keying only – not available with EURO or Mogul key cylinders.



- **CKS** – Factory key cylinder modification and an internal limit switch produce a key switch feature which electrically actuates the lock by one way only rotation of the change level key. This feature can be rendered inoperative by switch from a remote control panel. Mechanical unlock-ing is by a master level key. This feature is indicated when it is desirable to restrict periods when key unlocking is possible, e.g. building access or prison inmates who carry a key to their cell.
- **RC** – Rectifier with plug-in adapter permits 24V AC input

Consult our technical service personnel regarding custom applications such as retrofits to existing lock installations and special mounting situations.

Ordering Information – 3520-600 Electromechanical Series

Model	Description	Key Cylinder Extension (KCE)
3522-600	3520-600 keyed one side	Required if key cylinder is mounted on stop (push) side of frame
3526-600	3520-600 keyed two sides	Required on stop (push) side of frame



Example: 3522-600 – MSLH – FKC – LHR – US32D – Door Thickness					
Model & Keying	Function	Optional Features	Hand of Lock	Faceplate Finish	Door Thickness
3522-600 Keyed 1 side	See our "Motor Lock Function Reference Guide" for a full description of available lock functions.	See the "Optional Features" section above for description and symbol.	See our "Hand of Locks Reference Guide" for description and symbol.	US32D Satin Stainless Steel (ANSI 630)	1-3/4" or 2"
3526-600 Keyed 2 sides					