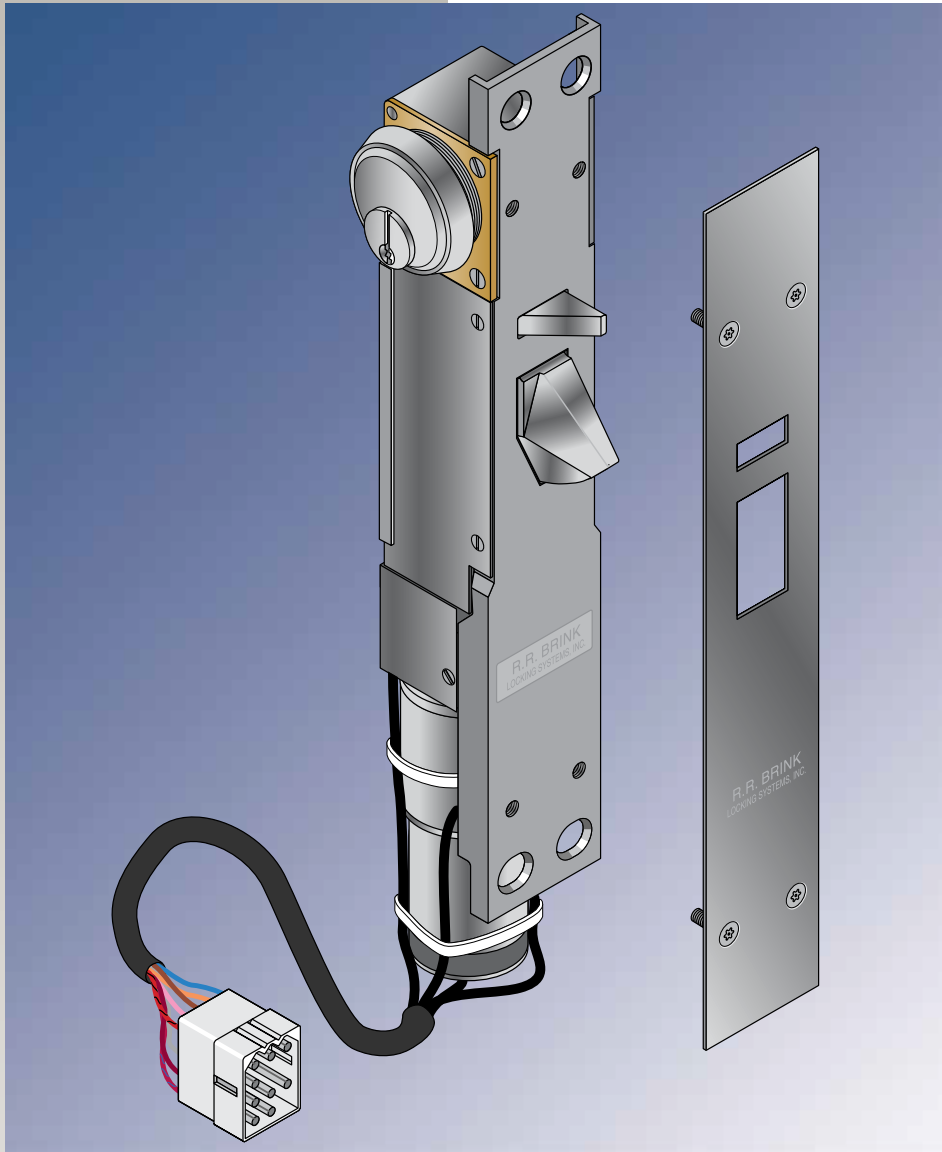


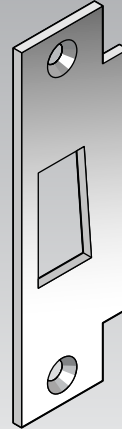
3520-300

Motorized Deadlocking Latch

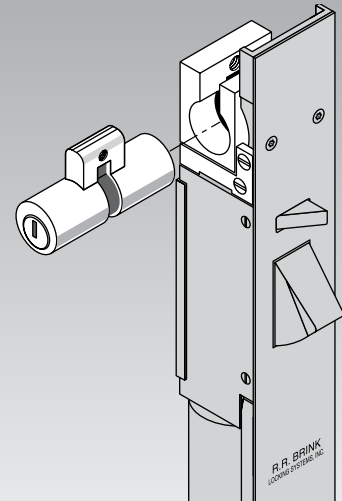
Narrow profile, designed for metal frame mounting in a standard jamb/header trim. The 24VDC motor drive retracts latch against side loads greater than 300 pounds.*



Stainless steel strike plate coated for reduced latchbolt wear



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 3520-300 bolt successfully retracting against a lateral load of 560 lbs. The test was witnessed by an independent testing laboratory - report available upon request.

Application

- The 3520-300 is ideal for access control in secure areas of commercial, institutional, governmental, and industrial buildings.
- The 24VDC gearmotor facilitates remote unlocking even when an abnormally high ≥ 300 pound side force is applied against the latch.*
- Available functions allow for electrical latch retraction and extension from a remote control point as well as manual key unlocking at the door.
- This lock is 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 3520-300 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).
- The 3520-300 is physically interchangeable with the RRBLS solenoid powered Model 3020 and, subject to wiring requirements, can be retrofitted to the latter.
- Installation of the 3520-300 is architecturally unobtrusive and affords superior impact and tamper resistance.
- Impact tested to Security Grade 1 per ASTM F1450 and F1577.

(Note: Not recommended for maximum security detention applications.)

3520-300

Motorized Automatic Deadlocking Latch

Narrow profile, designed for metal frame mounting in a standard (i.e. 2" trim) jamb/header. The 24VDC gearmotor drive retracts the latch against side loads of ≥ 300 pounds.*

Standard Features

- Structural and locking parts are stainless steel
- All other parts and fasteners of copper alloy or stainless steel
- A full 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 201030 or 201090 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 are provide 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)

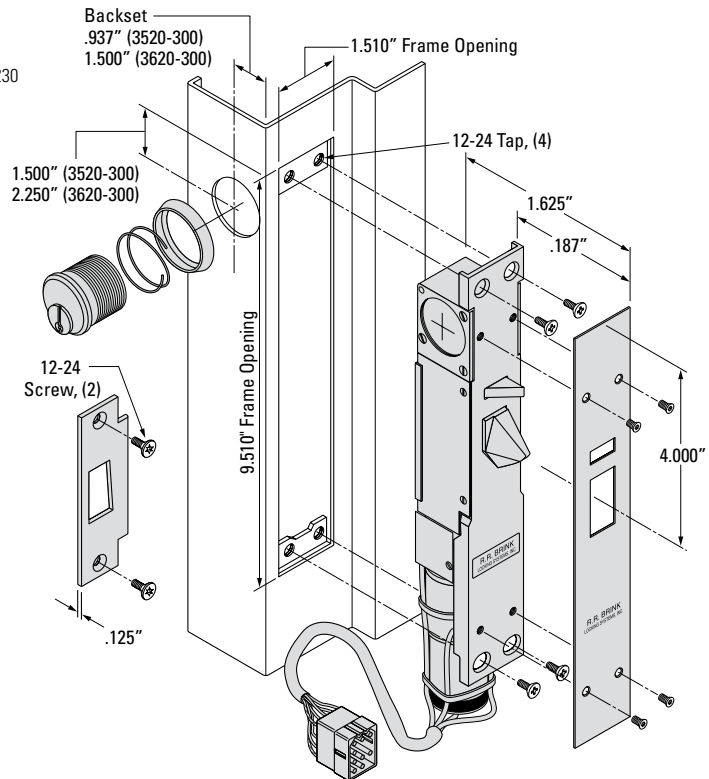
U.S. patents #4237711 & #5,566,991
Canadian patent #1110462
Great Britain patent #2014230

3520-300 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.

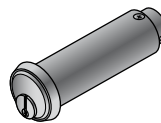


Underwriters Laboratories, Inc. listing as a fire door accessory. Listing is for a 3-hour "A"-label fire door.



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. Model designation is 3620-300. Note: With this option, the lock requires a 3" minimum frame face.
- **EURO** – Lock is adapted for key operation with a 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 cylinder.



- **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 unlocking 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 24VAC input

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

Ordering Information – 3520-300 Electromechanical Series

Model	Description	Key Cylinder Extension (KCE)
3522-300	3520-300 keyed one side	Required if key cylinder is mounted on stop (push) side of frame
3526-300	3520-300 keyed two sides	Required on stop (push) side of frame

Example: **3522-300** – **MSLH** – **FKC** – **LHR** – **US32D** – **Door Thickness**

Model & Keying	Function	Optional Features	Hand of Lock	Faceplate Finish	Door Thickness
3522-300 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 or US4 (std), for optional metals/finishes, see "Optional Features" section above	1-3/4" or 2"
3526-300 Keyed 2 sides					

