EFCO Standard Hardware

LOCKING HARDWARE

DEAD BOLT LOCK

Features
- Designed for aluminum entrances
- Five-ply laminated steel bolt with concealed hardened steel pin provides maximum security for any single leaf door
- 1 1/8" backset is standard
- Accepts all standard 1 1/2" mortised cylinders or thumb turns from either or both sides
- Key removable only in the positively locked or unlocked position
- Cylinder and thumb turn shown optional

Application
- Single door or active leaf on pair of doors

Finish
- Clear and bronze anodized

HOOK BOLT LOCK

Features
- Same as deadlock except with hook bolt or door jamb
- Hook bolt engages into inactive door stile for additional security
- Cylinder and thumb turn shown optional

Application
- Single door or active leaf on pair of doors for extra security

Finish
- Clear and bronze anodized

LATCH LOCK

Features
- Cylinder key operated from exterior
- Lever, thumb turn, or paddle operated from interior
- Latch bolt is 5/8" x 1" x 1/2" and made from zinc alloy with delrin plastic insert for quiet strike latching
- Auxiliary bolt deadlocks latch bolt to prevent jimmying open with knife or other objects
- Field reversible
- Accepts standard 1 1/2" mortised cylinders or thumbturns
- Reverse turn of the key (while bolt is retracted) retains the latchbolt to allow two-way traffic
- Cylinder and lever shown optional

Application
- Can be used on all EFCO series doors

Finish
- Clear or bronze anodized aluminum
EFCO Standard Hardware

LOCKING HARDWARE

MORTISE LOCK CYLINDER
Features
• Standard 1⁵⁄₃₂” diameter mortised cylinder with five pins
• Furnished with standard ¾” cylinder ring and standard cam
• Cylinder designed to operate by key or thumb turn or furnished blank
Application
• Use with standard deadbolt, hookbolt or latch locks
Finish
• Cylinder face available in either anodized satin aluminum or bronze; core face, thumb turn, and key have US26D finish

FLUSH BOLT
Features
• Mortise flush bolt for aluminum doors
• Radius face with spring loaded lever mechanism
• Comes with bolts
• Standard pair of doors include top and bottom flush bolt in inactive door leaf providing two-point locking
• Active leaf locks into inactive leaf
• Zinc die cast face and mechanism
Application
• Use on inactive leaf on any pair of doors
Finish
• Clear or Bronze anodize

2-POINT and 3-POINT LOCKS
Features
Two-Point (threshold bolt)
• Adds security to single or pair of doors when added to standard deadlock
• Deadbolt locks into inactive door stile or jamb while hardened-steel hex bolt simultaneously locks into threshold
• One key turn secures entire door entrance
Three-Point (header bolt)
• Adds third locking point to top of inactive door when used in conjunction with deadlock and threshold bolt
• One key turn locks all three points simultaneously

Available through EFCO’s Express program.
LEVER HANDLE
Features
• Designed to operate latch lock
• Slight downward turn of lever handle retracts the latch for quick and easy door opening
• Cam plug located at end of projecting spindle actuates deadlatch
• Non-handed
Application
• Used with narrow stile latch lock
Finish
• Zinc die cast in clear or bronze paint

LATCH PADDLE DEVICE
Features
• Designed as alternative to knob or lever handles
• Slight push or pull in the direction the door swings retracts the latch for quick and easy door opening
• Secured to door stile with special binder posts
• Extruded aluminum alloy paddle - escutcheon is zinc die cast
• Total width of paddle and escutcheon 5” - height is 4.060”
• Cam plug located at end of projecting spindle actuates deadlatch
• Available in four handing modes: push to right - push to left - pull to right - pull to left
Application
• Use with latch lock as alternative to lever handle
Finish
• Clear or bronze anodized

EXIT INDICATOR
Features
• Provides visual notification of locked or open condition
• Zinc alloy indicator escutcheon
Application
• Some local building safety codes allow use in certain occupancies of security deadlock instead of less secure panic device
Finish
• Clear or bronze anodized

Available through EFCO’s EASY program.
EFCO Standard Hardware

PANIC HARDWARE

RIM PANIC
Features
- Uses identically sized active and inactive housings for balanced appearance
- Slender housings disguise rugged traditional crossbar device designed for tough entrance conditions
- Latch bolt in rim of active housing, engaging adjustable roller strike, provides locking action
- Depressing crash bar unlocks device and permits egress without key
- Bolt re-engages strike and locks from exterior when door closed
- Panic can be deactivated (dogged down) with allen screw in active housing or by key cylinder
- Any standard 1½" diameter rim cylinder can be used
- EFCO standard extruded aluminum panic pull is 8" center to center, has an overall offset of 3¼", and projects 2¼" from face of door
- Removable mullion required when using this panic on pairs of doors
- UL 305 listed
- Conforms to ANSI/BHMA 156.3 TYPE 6, FUNCTIONS 01 through 04, and 07

Application
- Can be used on all EFCO series doors

Finish
- Standard clear anodize and standard bronze anodize

Express Note: Maximum door opening width = 45". Available in single door application only.

CONCEALED VERTICAL ROD PANIC
Features
- Slender, attractive appearance disguises rugged traditional crossbar exit device
- Both top and bottom locking rods completely concealed in door stile
- Hardened-steel latches and adjustable strike assure safety, security, and quiet operation
- Depressing crash bar releases bottom bolt and top latch permitting egress without key
- Upon closing, top latch re-engages strike securely and frees bottom bolt to engage threshold and lock door from exterior
- Panic can be deactivated (dogged down) with allen screw in active housing or by key cylinder
- EFCO standard extruded aluminum panic pull is 8" center to center, has an overall offset of 3¼", and projects 2¼" from face of door
- Any standard 1½" diameter rim cylinder can be used
- Eliminates removable mullion obstruction at pair of doors
- UL 305 listed
- Conforms to ANSI/BHMA 156.3 TYPE 6, FUNCTIONS 01 through 04
- Maximum door opening width = 45"

Application
- Single door or active leaf on pair of doors

Finish
- Standard clear anodize and standard bronze anodize

Available through EFCO's Express program.
EFCO Standard Hardware

PANIC HARDWARE

MIDRAIL PANIC

Features
- Midpanel exit device built into door, reducing loss of clear opening space while improving sightlines and aesthetic appeal
- Top and bottom locking rods completely concealed in door stile, eliminating removable mullion obstruction at pairs of doors
- Hardened-steel latches and adjustable strike assure safety, security, and quiet operation
- Depressing midrail bar unlocks device and permits egress without key
- Bolt re-engages strike and locks from exterior when door closed
- Panic can be deactivated (dogged down) with allen screw in active housing or by key cylinder
- If key cylinder required, Schlage 20-001 X 1⅛” length (B502 –191 tail or equal) X 1⅛” diameter mortise cylinder must be used
- Standard 4¾” high and optional 7” high midrail heights available
- UL 305 listed Grade 1 exit device listing of the 2001 revisions ANSI 156.3

Application
- Can be used on all EFCO series doors except Series D202 narrow ThermaStile™ door

Finish
- Standard clear anodize and standard bronze anodize

Express Note: 4⅛” tall midrail only

CONCEALED VERTICAL ROD TOUCH BAR PANIC

Features
- Concealed vertical rod’s low-profile touch-bar panic exit device meets rigorous demands of high-traffic entrances
- Slim-line device is 3” in height with 2¾” projection
- Mechanism runs full width of door and operates in comfortable single direction movement
- Both top and bottom locking rods completely concealed in door stile
- Hardened-steel latches and adjustable strike assure safety, security, and quiet operation
- Depressing crash bar releases bottom bolt and top latch permitting egress
- Upon closing, top latch re-engages strike securely and frees bottom bolt to engage threshold and lock door from exterior
- Panic can be deactivated (dogged down) with ¼ turn of allen screw in touch bar
- If key cylinder is required, Dor-O-Matic cylinder cartridge and any standard 1⅛” diameter x 1¼” long rim cylinder must be used, six-pin maximum
- Special cylinder cartridge available on request for use with seven-pin and (I-core) style cylinders
- UL 305 listed
- Conforms to ANSI/BHMA 156.3 GRADE 1, TYPE 6, FUNCTIONS 01 through 04

Application
- Can be used on all EFCO series single and pairs of doors in areas of high and abusive traffic

Finish
- Standard clear anodize and standard bronze anodize
EFCO Standard Hardware

PANICS HARDWARE

RIM TOUCH BAR PANIC
Features
• All-steel drive mechanism and concealed fasteners
• Latch bolt in rim of touch-bar housing, engaging adjustable roller strike, provides locking action
• Depressing touch bar unlocks device and permits egress
• Bolt re-engages strike and locks when door is closed
• Can be deactivated (dogged down) with ¼ turn of allen screw in touch bar
• If key cylinder is required, optional Dor-O-Matic cylinder cartridge and any standard 1½” diameter x 1 ½" long rim cylinder must be used, six pin maximum
• Special cylinder cartridge available upon request for use with seven-pin and (l-core) style cylinders
• EFCO’s standard extruded aluminum panic pull is 8” center to center, has an overall offset of 3⅜”, and projects 2⅛” from face of door
• UL 305 listed
• Conforms to ANSI/BHMA 156.3 GRADE 1, TYPE 4, FUNCTIONS 01 through 04

Application
• Can be used on all EFCO series doors in areas of high and abusive traffic; for pairs of doors, removable mullion with integral mortised strikes is required.

Finish
• Standard clear anodize and standard bronze anodize

REMOVABLE MULLION
Features
• Top and bottom mounting brackets
• Adjustable mortised strikes
• Security clips guard against door being pried away from mullion

Application
• For use on pairs of doors 7’ to 10’ tall with touch bar rim panics
• For use on pairs of doors 7’ to 10’ tall with crash bar rim panics

Finish
• Standard clear anodize and standard bronze anodize

RIM LOCK CYLINDER
Features
• Standard 1⅜” diameter rim cylinder with five pins
• Standard low-profile cylinder ring and adaptor plate
• Cylinder is key operated and furnished with Schlage “C” keyway
• Standard 1¼” long breakaway spindle and 1-7/8” long breakaway mounting screws

Application
• For use with all panic devices

Finish
• Cylinder face available in either anodized satin aluminum or bronze; core face has US26D finish

Available through EFCO’s Express program.
EFCO Standard Hardware

HINGING HARDWARE

BUTT HINGE (1⅞ Doors)

Features
• 4⅞ x 4 fully mortised brass hinge with .134 thick leaf
• Five knuckles
• Two ball bearings
• Nonrising pin with button tip
• Standard ⅛ swage
• ⅛ radiused corners
• Nonremovable pins available
• Fully mortised into door hinge stile and frame hinge jamb
• ⅛ thick reinforcing plates used in both frame and door for secure screw anchorage
• Conforms to ANSI/BHMA 156.1 GRADE 2, A2112

Application
• Standard hinge used on all EFCO 1⅞ thick doors (Series D200 narrow, D300 medium, and D500 wide stile); use of intermediate butt (1½ pairs per leaf) recommended for doors over 7’6” tall or for doors in heavy-traffic areas

Finish
• US26D satin chrome and dark bronze
  Note: Not available on ThermaStile doors

Finish

BUTT HINGE (Standard on 2” DuraStile Doors)

Features
• 5 x 4⅞ fully mortised brass hinge with .190 thick leaf
• Five knuckles
• Four stainless steel ball bearings and raceways
• Nonrising pin with button tip
• Standard ⅛ swage
• ⅛ radiused corners
• Nonremovable pins available
• Fully mortised into door hinge stile and frame hinge jamb
• ⅛ thick reinforcing plates used in both frame and door for secure screw anchorage
• Conforms to ANSI/BHMA 156.1 GRADE 1, A2111

Application
• Standard hinge used on EFCO DuraStile 2” thick doors (Series D318 medium and D518 wide stile).

Finish
• US26D satin chrome and dark bronze
  Note: Not available on ThermaStile series doors, Express Note: Available only on Series D318 DuraStile door

3⁄4 OFFSET PIVOT SET

Features
• Handed pivot set
• Cast aluminum frame and door portions
• Oilite bronze bushing in top frame portion
• Case-hardened spring-loaded pin in top door portion
• Bottom door portion utilizes full race ball bearing
• Case-hardened stud in floor/jamb portion with ⅛ vertical adjustment

Application
• Can be used on Series D200, D300, and D500 doors up to 125 pounds

Finish
• Baked satin aluminum paint and baked storefront bronze paint

Available through EFCO’s express program.
EFCO Standard Hardware

HINGING HARDWARE

3/4" OFFSET INTERMEDIATE PIVOT
Features
• Handed pivot
• Precision aluminum extrusion
• Full race ball bearing backed by oilite bronze bushing in door portion
• Case-hardened pin in jamb portion fully retractable for ease of installation
Application
• Use in conjunction with standard pivot set for doors in high-traffic areas or on doors over 7'6" tall
Finish
• Standard clear anodize and standard bronze anodize

OFFSET PIVOT (GRADE 1) (Standard on 2" DuraStile Doors)
Features
• 3/8" offset heavy-duty fully mortised handed pivot set
• Accommodates doors up to 450 pounds
• Bottom pivot utilizes sealed ball bearing raceway and mortised into side jamb
• Top offset pivot utilizes hardened ground-stud and oil-impregnated sintered bronze bearings
• After installation, accommodates 3/16" vertical adjustment
• Conforms to ANSI/BHMA 156.4 TYPE C07131
Application
• Standard offset pivot set used on all heavy-duty DuraStile and thermally broken ThermaStile doors; optional for EFCO standard doors; recommended in heavy-traffic areas
Finish
• US26D satin chrome plated and US10B satin oxidized bronze
  Express Note: Available only on Series D318 DuraStile door

INTERMEDIATE OFFSET PIVOT (GRADE 1) (Standard on 2" DuraStile Doors)
Features
• Handed pivot
• Fully mortised into door stile and pivot jamb
• Non-ferrous-based material with hardened ground-stud and oil-impregnated sintered bronze bearings
• After installation, accommodates 3/16" vertical adjustment
• Conforms to ANSI/BHMA 156.4 TYPE C07321
Application
• Standard on all heavy-duty DuraStile doors and thermally broken ThermaStile doors; optional for all other EFCO doors; pivot used in conjunction with top & bottom heavy-duty pivot set; recommended for doors in high-traffic areas or on doors over 7'6" tall
Finish
• US26D satin chrome plated and US10B satin oxidized bronze
  Express Note: Available only on Series D318 DuraStile door

Available through EFCO’s express program.
CONTINUOUS GEARED HINGE

Features
• Fully mortised hinge gives full-length door height support
• Pinless assembly of three interlocking 6063-T6 aluminum extrusions with chemically lubricated polyacetal thrust bearings
• 410 stainless steel self-drilling fasteners
• All conventional overhead surface-mounted or concealed sliding-arm overhead closers may be used

Application:
• Use on all EFCO series doors from 1¾" to 2¼" thick and weighing up to 450 pounds

Finish:
• 204R1 clear anodize, 7 mil dark bronze anodize, and standard paint

Express Finish:
• 204R1 clear anodize or 7 mil dark bronze anodize only
  Express Note: Available on standard and Series D318 DuraStile doors only
EFCO Standard Hardware

CLOS ER HARDWARE

CONCEALED OVERHEAD CLOSER
- Double-acting non-handed closer
- Built-in positive backstop at 90° or 105°, trim permitting
- Hold-open positions at 90° or 105° combined with mechanical backstop available
- Closing and latching speeds controlled by separate regulating valves and are fully adjustable after installation
- Conceals in aluminum header or transom bar as small as 1¾" x 4" x ¼"
- Positive centering for alignment
- Holds door closed against normal wind or draft
- Secondary wall, floor, or overhead stop recommended to control opening of door
- Bottom center pivot set includes both floor and threshold mountings
- ADA (handicap) option available
- ADA (handicap) option meets 8.5 lb maximum opening force requirement with a maximum door width of 3 feet
- Can be used with either center pivots, butt hinges, offset pivots, or continuous geared hinge
- UL listed

Application
Use on all EFCO series exterior doors up to 3'-6" wide and weighing up to 250 pounds and all EFCO interior doors up to 4' wide and weighing up to 250 pounds; supplemental door stop required on header when used on center-hung, single-acting door
Note: Auxiliary door stop is highly recommended

Finish
Center Pivot – No finish option because closer body and arm are completely hidden by header or transom bar; Butt Hinges and Offset Pivots – Offset arm (only exposed part) available in baked satin aluminum paint or baked storefront bronze paint

SURFACE-MOUNTED CLOSER
Features
- Traditional style commercial door control
- Simple installation
- Non-handed
- Parallel arm installation available with use of optional mounting bracket
- Adjustable spring power from sizes 3 to 6
- Standard mounting hole pattern
- Available for standard regular and top-jamb installations
- Five (5) year warranty

Application
Can be used on EFCO standard entrance systems

Finish
Sprayed aluminum or dark duranodic bronze
Express Note: Parallel arm option not available
EFCO PUSH/PULL SET

Features
- Standard push/pull set furnished on EFCO standard doors
- Push pad is 3-1/4" high x 10" wide and projects 1" from face of door
- Location of push pad on bar is consistent regardless of door series and width
- Pull is 11" high x 3-1/4" wide and projects 1-13/16" from face of door
- Handle set secured to door with hex bolts and thru bolts
- Fasteners concealed, where possible

Application
- EFCO Standard (Single-acting doors)

Finish
- Clear or bronze anodize
- Black anodize available

PUSH/PUSH SET

Features
- Standard push/push set furnished on EFCO double-acting doors
- Push pad is 3-1/4" high and 10" wide projects 1" from face of door
- Location of push pad on bar is consistent regardless of door series and width
- Handle set secured to door with thru bolts
- Fasteners concealed, where possible

Application
- EFCO Standard (Double-acting doors)

Finish
- Clear or bronze anodize
- Black anodize available