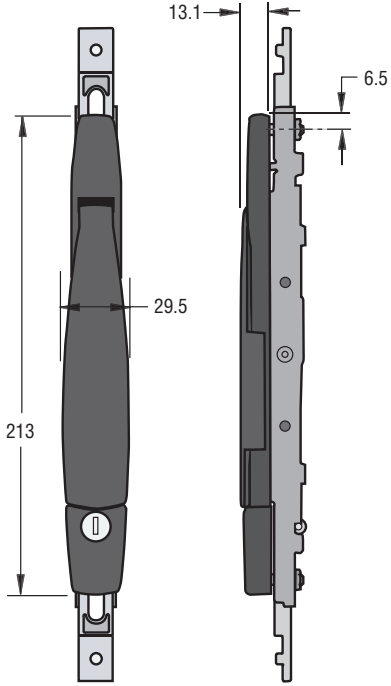


Southco® F2 Multi-Point Latch Actuator

- Optimized for strength, security, and ergonomics
- Expanded key locking options
- Meets Telecordia specifications for indoor enclosures
- Custom colors available



ACTUATOR	PART NUMBER
Styled Non-Locking	F2-20-17
Styled Locking*	F2-20-18

* 2 keys on a ring supplied with keylocking latches, key code SC01.



Front

Back

Multi-Point Latch Systems

Standard Southco CH751 Lock

Version available in 2005

- Match lock to other Southco latches
- Multiple key codes available
- Overmolded keys with optional custom logo available*

* 2 keys on a ring supplied with keylocking version, key code SC01.



Material & Finish

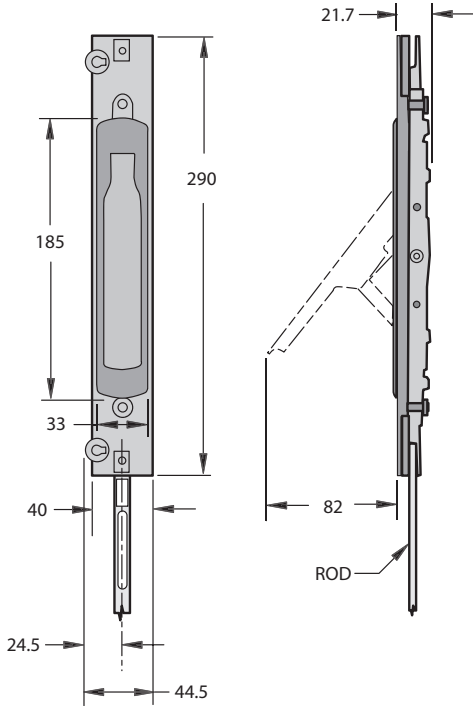
- Actuator**
- HOUSING, HANDLE, LINK: Steel, galvanized
- HANDLE COVER, BEZEL and TRIM PLATE: PC/ABS, black
- CONNECTOR: Die-cast zinc
- DRAG LINK: Die-cast zinc, Organic sealer
- PINS: Steel, nickel plated
- RIVET: Steel, zinc plate
- LOCK HOUSING: Die-cast zinc
- LOCK PLUG: Die-cast zinc, chrome-plated body, stainless steel scalp and shutter; brass, nickel plated keys
- CH751 LOCK PLUG: Die-cast zinc
- LOCK CAM: Steel, galvanized

All dimensions on this page are in millimeters.

Southco® F2 Multi-Point Latch Actuator

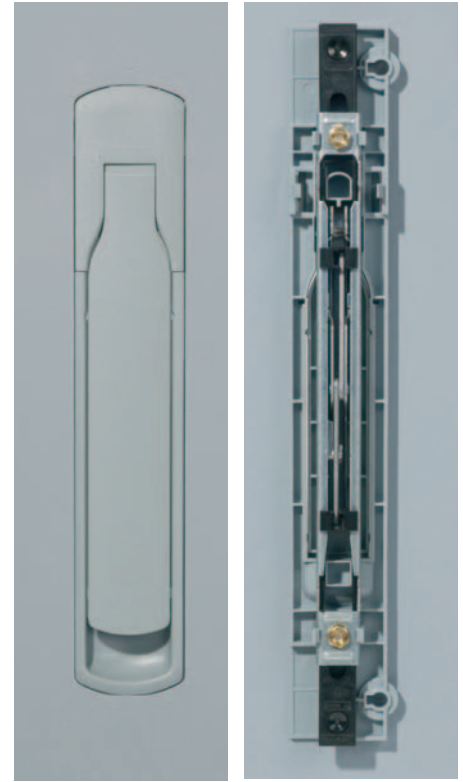
- Clean, flush exterior appearance with minimal interior protrusion
- Actuator drives remote latching points along door edge
- Custom colors available

FLUSH



ACTUATOR	PART NUMBER
Flush Non-Locking	F2-20-12
Flush Locking*	F2-20-13

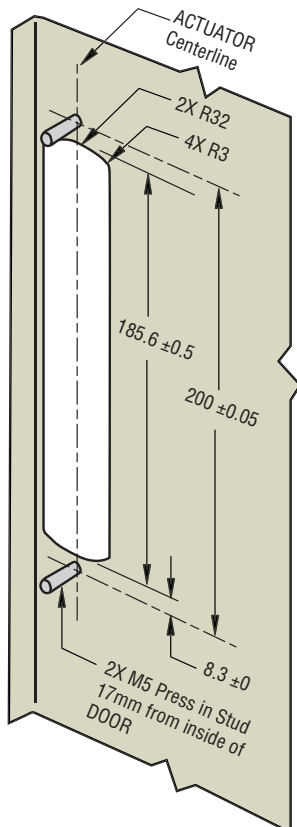
* 2 keys on a ring supplied with keylocking version, key code SC01.



Front

Back

Panel Preparation



Material & Finish

Actuator

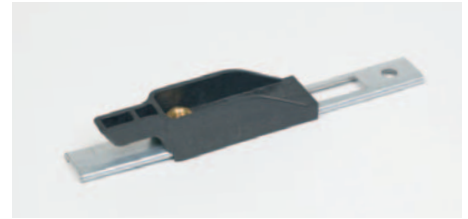
HOUSING, HANDLE, LINK: Steel, galvanized
 HANDLE COVER, BEZEL and TRIM PLATE: PC/ABS, black
 CONNECTOR DRAG LINKS: Die cast zinc, organic sealer
 PIN 3 and Pin 3x15: Steel, nickel plated
 PIN 4: Steel, zinc plate, chromate

All dimensions on this page are in millimeters.

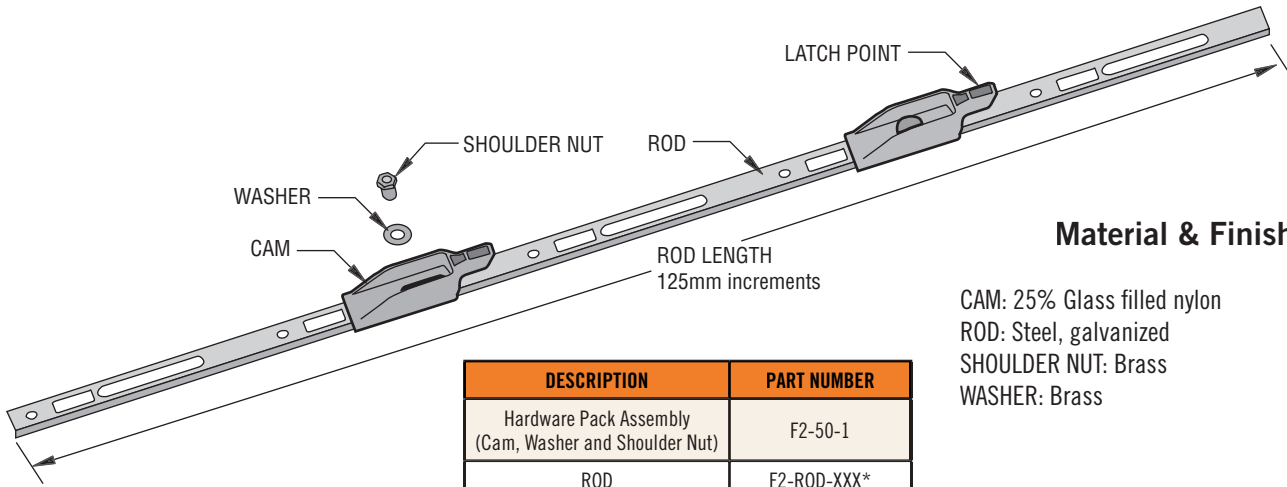
Multi-Point Latch Systems

Southco® F2 Multi-Point Latch Fixed Cam

- Simple fixed pawl provides economical multiple latching solution
- Flexible mounting options accommodate a wide range of enclosure sizes
- Quick, simple installation



ROD and CAM ASSEMBLY



DESCRIPTION	PART NUMBER
Hardware Pack Assembly (Cam, Washer and Shoulder Nut)	F2-50-1
ROD	F2-ROD-XXX*

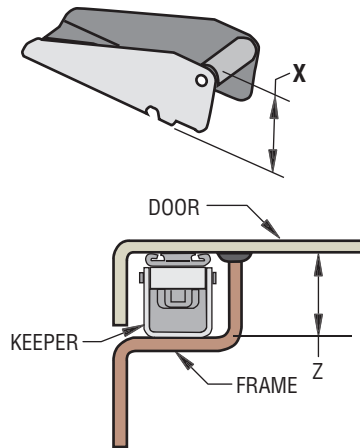
* XXX = Rod length in 125 mm increments

Material & Finish

CAM: 25% Glass filled nylon
 ROD: Steel, galvanized
 SHOULDER NUT: Brass
 WASHER: Brass

Multi-Point Latch Systems

KEEPER



GRIP (Z)	PART NUMBER	X
19	F2-30-19	15.5
20	F2-30-20	16.5
22	F2-30-22	18.5
25	F2-30-25	21.5

Material & Finish

KEEPER
 BRACKET: Steel, galvanized
 ROLLER: Bronze, natural

For Installation Instructions, see drawings:

N-37791-J, N-37792-J, N-37793-J

HOW to ORDER

1. Determine quantity of latch points.
2. Determine Rod length in increments of 125mm and write in **XXX** from part number table.
Eg **125, 250, 375** to maximum of **875**mm.
3. Select Keeper from part number table based on required grip dimension (Z).

All dimensions on this page are in millimeters.

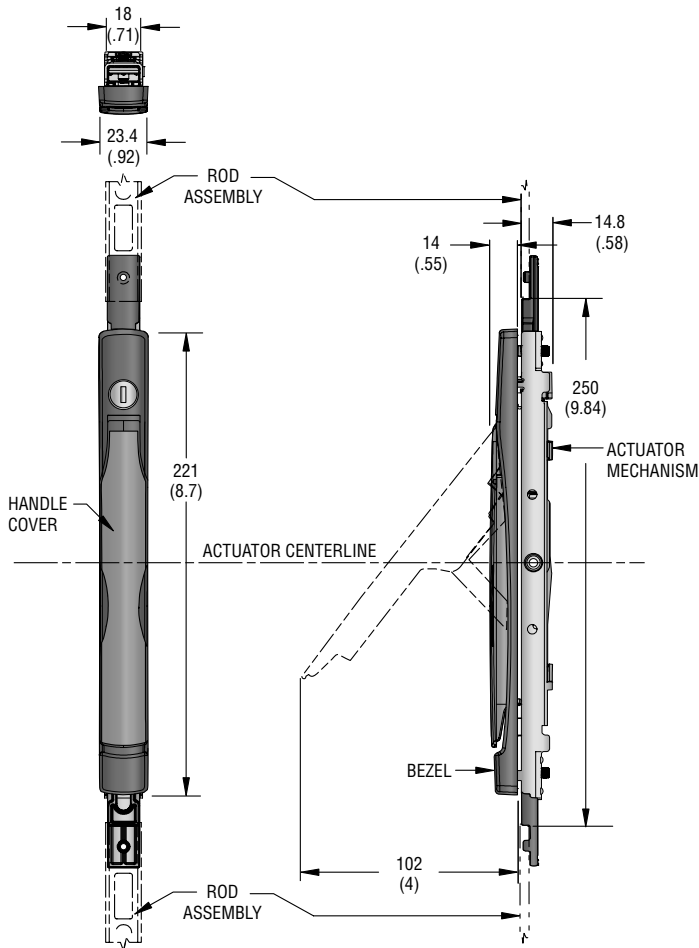
Southco® Multi-point Latching Systems

- Designed for indoor enclosures
- Engineered to meet industrial design requirements
- Operates outside the enclosure's seal
- Installs close to the door edge
- Fits a wide range of enclosure shapes and sizes
- System engages when door is up to 15mm away from the closed position
- The complete system consists of:
 - A. Actuator Assembly, B. Rod Assemblies, C. Keepers
- Order each component separately

Multi-point
Latching System

A. Actuator Assembly

- Lift the handle to drive the entire system
- Choose from keylockable and non-locking
- Handle cover and bezel can be customized to match your enclosure design standards



ACTUATOR	PART NUMBER
Non-locking	F2-20-10
Keylockable	F2-20-11

Actuator Assembly includes: actuator mechanism, bezel, handle cover, and installation hardware.



Material and Finish

ACTUATOR MECHANISM:

HOUSING, HANDLE, and LINK: Steel, galvanized; CONNECTOR: PC filled, black; DRAGLINK: Die cast zinc, organic sealer; PINS: Steel, nickel plated; RIVET: Steel, zinc plate. LOCK HOUSING: Nylon, filled black; LOCK PLUG: Die cast zinc chrome-plated body, stainless steel scalp and shutter, brass nickel-plated keys; LOCK PAWL: Steel, galvanized; LOCK RETAINER: Die cast zinc.

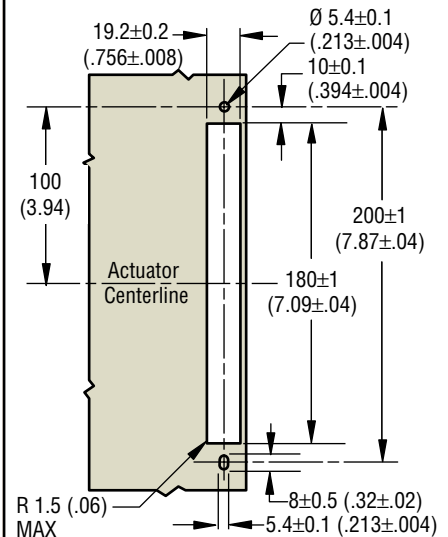
BEZEL: PC ABS, black; **STUD:** Brass, natural.

HANDLE COVER: PC ABS, black.

INSTALLATION HARDWARE:

M5-SHOULDER NUT: Brass, natural.

Panel Preparation



Panel Thickness: 0.8 (.032) to 3.2 (.125)

millimeter (inch)
millimeter
(inch)

Dimensions without tolerances are for reference only.

B. Rod Assembly

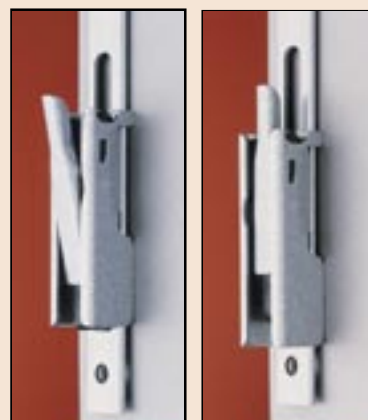
- Available in multiple lengths and latch-point locations
- Latching mechanisms engage keepers when door is up to 15mm away from the closed position
- Upper and lower rods engage in opposite directions to keep door centered in frame
- Recommended latch-point configurations are shown below

(Order 2 Rod Assemblies per application)

ROD LENGTH	Latch Installation Stud Locations from Centerline of Actuator	PART NUMBERS										
		F2-10-125-1	F2-10-250-2	F2-10-375-3	F2-10-375-13	F2-10-500-14	F2-10-625-15	F2-10-625-25	F2-10-750-26	F2-10-750-36	F2-10-875-147	F2-10-875-37
125 (4.92)	172 ▲ (6.772)											
250 (9.84)	297 ▲ (11.693)											
375 (14.76)	422 ▲ (16.614)											
500 (19.69)	547 ▲ (21.535)											
625 (24.61)	672 ▲ (26.457)											
750 (29.53)	797 ▲ (31.378)											
875 (34.45)	922 ▲ (36.299)											

- No Latch point ● Actuator Connection
 - Latch Point ▲ Latch Stud Location

Note: Latch installation stud is not supplied. Use M5 press-in studs or non-flanged weld studs. Length is 6 (.24) - 10 (.39) MAX, measured from inside surface of door.



Material and Finish

ROD ASSEMBLY:

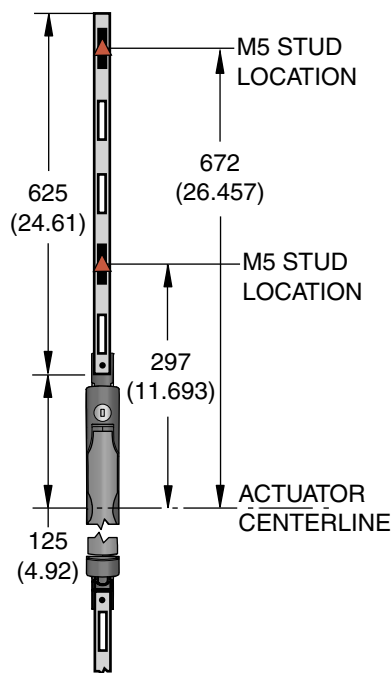
ROD, PAWL, and GUIDE SHELL: Steel, galvanized.

PILLOW BLOCK and GUIDE INSERT: PC filled, black.

M5 SHOULDER NUT: Brass, natural.

PINS: Steel, nickel plated.

Example shown: F2-10-625-25



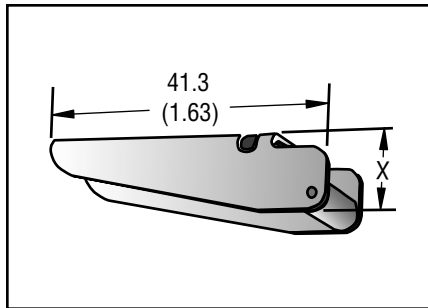
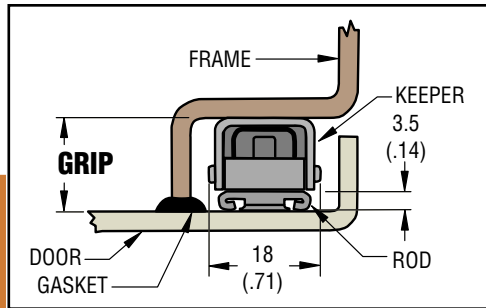
Note: Stud must be positioned within 0.2 (.008) of nominal.

millimeter (inch)
millimeter (inch)

Dimensions without tolerances are for reference only.

C. Keeper

- Available for a variety of door-to-frame spacings
- Quick assembly using a single fastener and built-in locating feature
- Keeper roller provides for smooth operation
- Order one keeper for each latch point on rod assembly



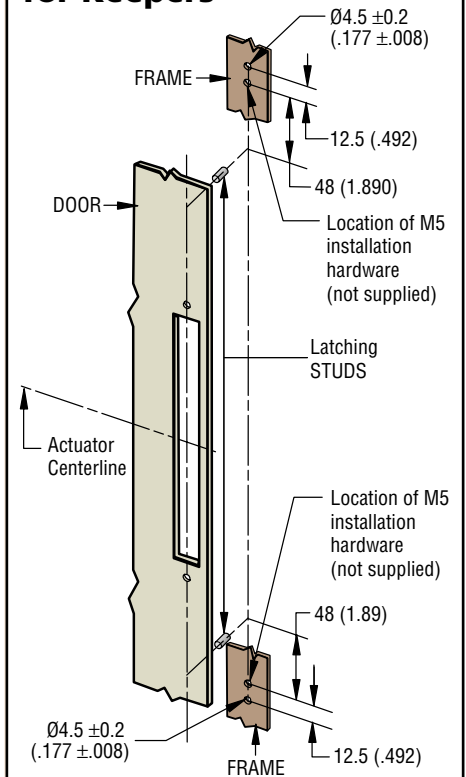
GRIP	PART NUMBER	X
15 (.59)	F2-30-15	11.5 (.45)
19 (.75)	F2-30-19	15.5 (.61)
20 (.79)	F2-30-20	16.5 (.65)
22 (.87)	F2-30-22	18.5 (.73)
25 (.98)	F2-30-25	21.5 (.85)



Material and Finish

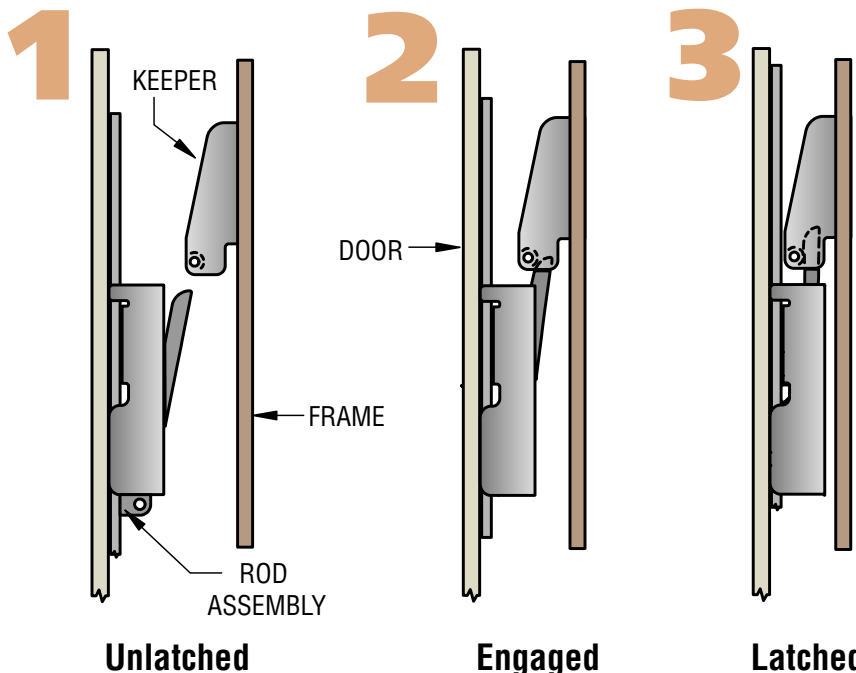
BRACKET ASSEMBLY:
BRACKET: Steel, galvanized.
ROLLER: Bronze, natural.

Panel Preparation for Keepers



Note: Keeper mounting holes must be positioned within 0.2 (.008) of nominal.

Keeper / Latch Operation



Product Strength Guidelines

(To assist in your product selection, samples are available for your evaluation.)

Tighten shoulder nuts to between 3-4 N·m (27-35 in·lbs.)

Maximum static load: 100 N (22 lbs) per latch point; 500 N (112 lbs) Max for entire system.

Flammability Rating: UL94-VO for all plastic components.

millimeter (inch)
millimeter (inch)

Dimensions without tolerances are for reference only.

System Integration

1. Install Rod assemblies:
 - a. Install rods with pawls in fully-retracted position.
 - b. Move rod to fully-closed position.
2. Install Actuator assembly:
 - a. Engage bosses into holes in rod.
 - b. Install bezel and snap on handle cover.
3. Install keepers as shown.

