

Rixson Floor Closer Installation Guide

Overview

Rixson floor closers house closing mechanism within floor box below pivot assembly. Professional installation requires precise positioning, level floor boxes, and proper spindle alignment. This guide covers detailed installation procedures.

Cement Case Positioning

Locate floor closer position: 6-8 inches from door hinge line. Mark location on floor before cutting opening. Verify no structural members, utilities in installation area. Provide supporting structure for floor box (wood frame common).

Rough-In Dimensions

Floor box footprint: typically 8 inches × 8 inches. Depth: 3-4 inches below finished floor. Allow additional space for rough-in before finish flooring installation. Coordinate with general contractor timing.

Floor Box Leveling

Critical: Floor box must be level (deviation tolerance: $\pm 1/8$ inch). Use shims during installation. Verify level in both directions with precision level. Unleveled boxes cause binding, uneven closing, accelerated wear.

Spindle Alignment

Spindle (rotating shaft connecting top/bottom pivots) must be perfectly vertical. Any deviation causes binding and increased wear. Verify alignment using plumb bob. Check spindle rotation—should be smooth, no binding.

Top Pivot Coordination

Top pivot mounted to door header must align vertically with floor pivot. Typical spacing: 7 feet 8 inches (standard door height). Spindle deflection acceptable: $\pm 1/4$ inch maximum. Excessive deflection indicates installation error.

Valve Adjustment for Speed

Floor closer includes internal valve controlling closing speed. Clockwise valve rotation increases speed. Counterclockwise decreases speed. Final adjustment performed after installation with door hanging. Typical closing time: 5-8 seconds.