

# Rixson 28 Series Valve Adjustment Guide

## 28 Series Overview

Rixson 28 series represents heavy-duty integrated floor closer within pivot assembly. Designed for high-traffic applications, institutional buildings, and facilities requiring reliable closing function. Contains multiple adjustable valves.

## Sweep Speed Valve Function

Sweep speed controls door movement from fully open (90 degrees) to partially closed (approximately 20 degrees). Clockwise rotation increases closing speed. Counterclockwise decreases speed. Typical setting: 5-8 seconds to reach 20-degree position.

## Latch Speed Valve Function

Latch speed controls final closing force from 20 degrees to fully latched position. Independent valve from sweep speed allows fine-tuning. Ensures sufficient force for positive latch engagement. Clockwise increases latch speed/force.

## Backcheck Adjustment Procedure

Backcheck controls deceleration when door opens to 90 degrees (or whatever limit set). Prevents door slamming open against stops. Locate backcheck screw on floor closer body. Adjust ¼-turn increments until door stops smoothly at 90 degrees.

## Hold-Open Function (If Equipped)

Some 28 series models include hold-open feature (holds door at 90 degrees until manually pulled closed). Hold-open release may be manual lever or electronic activation. Test hold-open engagement after installation.

## Seasonal Valve Adjustment

Temperature affects oil viscosity inside closer. Cold weather: Oil becomes stiff, reduce opening speed (counterclockwise sweep valve). Warm weather: Oil flows freely, increase opening speed (clockwise sweep valve). Document seasonal settings.

## **Troubleshooting Slow/Fast Closing**

Door closes too fast: Decrease sweep speed valve  $\frac{1}{4}$  turn. Retest. Door closes too slowly: Increase sweep speed valve  $\frac{1}{4}$  turn. Never turn more than  $\frac{1}{2}$  turn per adjustment. Allow 5-minute rest between adjustments for oil to stabilize.