

Rixson Pivot Selection Chart

Overview

Rixson offers comprehensive pivot hinge systems for commercial doors and gates. Proper selection requires understanding weight capacity, door size, mounting configuration, and fire-rating requirements.

Model 117 Specifications

Model 117: Maximum 400-pound weight capacity. Suitable for standard interior and light exterior doors. Typical size: 36-42 inches wide, 84 inches tall. Spring-assist available for accessibility compliance. ¼-inch bolt mounting.

Model 370 Specifications

Model 370: Maximum 600-pound weight capacity. Heavy-duty applications: extra-wide doors, heavy materials, high-traffic areas. Accommodates 48-54 inch doors. Superior construction for demanding environments.

28 Floor Closer Specifications

28 series: Integrated floor closer within pivot assembly. Weight capacity varies by model: typically 400-800 pounds. Includes valve adjustment for speed control. Eliminates need for separate door closer.

Center-Hung Pivot Configuration

Top pivot mounted to door head frame above door. Bottom pivot mounted to floor. Door centered on pivot axis. Symmetric weight distribution. Typical commercial application.

Offset Pivot Configuration

Offset mounting: Pivot point shifted inboard from door face. Reduces moment arm, allows heavier doors on lighter pivots. More complex installation. Used for specially designed door systems.

Fire-Rated Pivot Options

Fire-rated doors require certified pivot assemblies. Rixson produces fire-rated pivots meeting UL standards. Specify fire-rating requirement at purchase. Cost premium: 15-25% vs standard pivots.

Floor Box Dimensions

Floor box houses bottom pivot mechanism. Standard dimensions: 6-8 inches x 6-8 inches x 3-4 inches depth. Verify building floor can accommodate recessed floor box. Wood blocking required in soft flooring.