

Norton Door Closer Sizing Chart

Spring Power Selection

Norton offers seven spring power sizes (1-7) accommodating doors 22-48+ inches wide. Size 1: 22-32", light interior doors. Size 2: 32-36", standard interior. Size 3: 36-42", heavy interior/light exterior. Size 4: 42-48", exterior standard. Size 5+: Specialty sizes for extra-heavy doors.

Door Width Reference

Measure actual door width in inches. Closer moment arm = distance from door hinge to closer arm attachment. Wider doors create greater moment requiring stronger closer. Narrow doors (under 32") often require Size 1. Standard commercial doors (36-42") typically Size 2-3.

Exterior Door Wind Load

Exterior applications experience wind resistance. Calculate wind load factor based on building height and location wind speeds. Exposed locations at building perimeter warrant larger closers. Sheltered courtyards require smaller sizes. Typical exterior requires one size larger than interior equivalent.

Fire Door Minimum Requirements

Fire-rated door assemblies must close and latch reliably. Minimum closer size must provide sufficient force. Fire doors typically 3/4-1 inch thick require Size 3 minimum. Test door closing under load to verify latch engagement.

ADA Compliance Considerations

Accessible doors limited to 5-pound opening force. Verify closer adjustment allows light opening force while maintaining closing speed. Use adjustable closers permitting separate sweep and latch speed control.

Environmental Factors

Temperature extremes affect closer oil viscosity. Cold climates: oils stiffen, may require larger closer or winter adjustment. High-altitude installations: air density changes affect operation. Humidity: protect closer from direct weather exposure.

