

NFPA ® 80 - 2013 Edition

19.2.3 Access. Dampers equipped with fusible links, internal operators, or both shall be provided with an access door that is not less than 12 in. (305 mm) square or provided with a removable duct section.

19.4* Periodic Inspection and Testing.

19.4.1 Each damper shall be tested and inspected 1 year after installation.

19.4.1.1 The test and inspection frequency shall then be every 4 years, except in hospitals, where the frequency shall be every 6 years.

19.4.2 All tests shall be completed in a safe manner by personnel wearing personal protective equipment.

19.4.3 Full unobstructed access to the fire or combination fire/smoke damper shall be verified and corrected as required.

19.4.4 If the damper is equipped with a fusible link, the link shall be removed for testing to ensure full closure and lock-in place if so equipped.

19.4.5 The operational test of the damper shall verify that there is no damper interference due to rusted, bent, misaligned, or damaged frame or blades, or defective hinges or other moving parts.

19.4.6 The damper frame shall not be penetrated by any foreign objects that would affect fire damper operations.

19.4.7 The damper shall not be blocked from closure in any way.

19.4.8 The fusible link shall be reinstalled after testing is complete.

19.4.8.1 If the link is damaged or painted, it shall be replaced with a link of the same size, temperature, and load rating.

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19.4.9 All inspections and testing shall be documented, indicating the location of the ceiling radiation damper, fire damper, or combination fire/smoke damper, date of inspection, name of inspector, and deficiencies discovered.

19.4.9.1 The documentation shall have a space to indicate when and how the deficiencies were corrected.

19.4.10 All documentation shall be maintained and made available for review by the AHJ.

19.4.11 Periodic inspections and testing of a combination fire/smoke damper shall also meet the inspection and testing requirements contained in Chapter 6 of NFPA 105, Standard for Smoke Door Assemblies and Other Opening Protectives.

19.5 Maintenance.

19.5.1 Reports of changes in airflow or noise from the duct system shall be investigated to verify that they are not related to damper operation.

19.5.2* All exposed moving parts of the damper shall be dry lubricated as required by the manufacturer.

19.5.3 If the damper is not operable, repairs shall begin without delay.

19.5.4 Following any repairs, the damper shall be tested for operation in accordance with Section 19.4.

19.5.5 All maintenance shall be documented in accordance with 19.4.9 and 19.4.10.

19.5.6 Maintenance of a combination fire/smoke damper shall also meet the maintenance requirements contained in Chapter 6 of NFPA 105, Standard for Smoke Door Assemblies and Other Opening Protectives.