BHMA builders hardware manufacturers association

Standards at a GLANCE

ANSI/BHMA A156.15-2006
American National Standard for Closer Holder Release Devices – Electromagnetic and Electromechanical

This Standard establishes requirements for door closers combined with hold-open devices or free-swinging door closers combined with releasing devices and includes performance tests covering operational, cyclical and finish criteria.

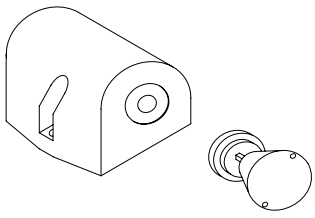
These tests are used to meet the grade for this Standard: Initial Static Tests: Break-In Cycle, Closing Force, Door Closer Efficiency, and Final Static tests: Adjustable Backcheck, Multiple Hold-Open Position. Additionally, definitions, general information, performance, and finish tests requirements as well as door closer functions, and identifying numbers.

Sample test values performed under laboratory conditions:

The following are partial descriptions used for illustration purposes only. Test methods are listed in their entirety in this Standard.

Tests	**Requirements**
Closing Force	Open the door beyond the 3 in (76 mm) line. Holding the door with a force gauge allow the door to close slowly under the power of the door closer as the door travels between the 3 in (76 mm) and ½ in (12.7 mm) marks and record the force. It shall equal or exceed 5 lbf (22 N).
Adjustable Backcheck Test	Adjust the backcheck valve to provide an observable reduction in the door opening speed between 60 degrees and 85 degrees of door opening and the door shall be completely stopped at a maximum of 90 degrees.

Sample illustration:



C00021 Electro-magnetic door holder for swinging doors: floor mounted single unit.
Explanation of identifying numbers is provided in the full Standard.