

**ANSI/BHMA A156.5-2001
American National Standard for Auxiliary Locks and
Associated Products**

The first part of Standard ANSI/BHMA A156.5-2001 establishes requirements for auxiliary bored and mortise locks, rim locks, cylinders and push button mechanisms. Part two establishes requirements for indexed key control systems. This standard includes definitions, dimensional characteristics, component designs, illustrations, type numbers, descriptions and tests (including equipment requirements and procedures).

Tests and required results in this standard include:

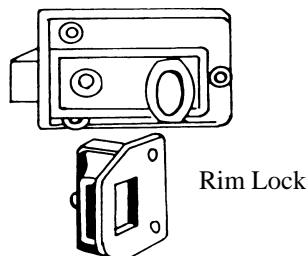
- Operational
- Finish
- Security
- Cylinder Requirements

Product grades are defined by progressive performance benchmarks in the given tests, with Grade 1 being the highest level of performance. For example, in the “vertical load test,” a Grade 1 turn must be able to withstand 250 lbf, as compared to a Grade 3, which requires 150 lbf. The last digit of the product number identifies the grade of a BHMA product.

The following are partial descriptions of test values. Please see the complete standard for additional tests:

TEST—Part 1	Requirements	Grade 1	Grade 2	Grade 3
Torque to Retract Latch or Dead Bolt by Turn		9 lbf-in (1 Nm) Maximum	9 lbf-in (1 Nm) Maximum	9 lbf-in (1 Nm) Maximum
Axial Load	Turn, knob or lever	150 lbf (670 N)	150 lbf (670 N)	150 lbf (670 N)
Vertical Load	Turn	250 lbf (1110 N)	50 lbf (1110 N)	150 lbf (670 N)
Cycle:	Dead Latches	500,000	300,000	200,000
	Dead Locks	250,000	150,000	100,000

Sample Illustration:



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Note: This document is not to be used as a substitute for the standard. Users should refer to the entire standard for complete requirements and details. For further information go to www.buildershardware.com.