

**ANSI/BHMA A156.2-2003
American National Standard for Bored and Preassembled Locks & Latches**

Standard ANSI/BHMA A156.2-2003 establishes requirements for bored and preassembled locks and latches, and includes general information, definitions, dimensional criteria, tests (procedures and required equipment) and their required results to meet grade standards. Function numbers and descriptions are provided for Series 2000 preassembled locks and Series 4000 bored locks and latches. For example, the standard differentiates between a “Patio or Privacy Lock,” where the outside lever is locked and unlocked from the interior, and a “Communicating Lock,” which can be locked and unlocked from either side.

Tests and required results in this standard include:

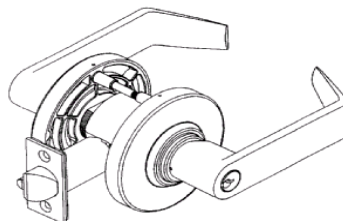
- Operational
- Strength
- Cycle
- Security
- Material Evaluations
- Finish

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 “locked torque test,” a Grade 1 knob must be able to withstand 300 lbf-in, as compared to a Grade 3, which requires the lock to withstand 120 lbf-in. 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 Type	Test Description	Grade 1	Grade 2	Grade 3
Operational Tests	Lever torque max	28 lbf-in (3 Nm)	28 lbf-in (3 Nm)	28 lbf-in (3 Nm)
	Key torque max	9lbf-in (1 Nm)	9lbf-in (1 Nm)	9lbf-in (1 Nm)
Strength Tests	Torque min, knobs	300 lbf-in (34 Nm)	150 lbf-in (17 Nm)	120 lbf-in (14 Nm)
	Torque min, levers	700 lbf-in (74 Nm)	450 lbf-in (50 Nm)	225 lbf-in (25 Nm)
Cycle Test		800,000	400,000	200,000
Material Evaluation Tests	Unlocked outside knob torque	250 lbf-in (28 Nm)	150 lbf-in (17 Nm)	120 lbf-in (14 Nm)
	Unlocked outside lever torque	450 lbf-in (50 Nm)	225 lbf-in (25 Nm)	180 lbf-in (20 Nm)
Finish Tests	Salt Spray—Organic coatings on levers, knobs, roses and escutcheons	96 Hours	96 Hours	96 Hours

Sample Illustration:



Typical Bored Lever Lock

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BHMA Standard log on to
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or call 800.699.9277.

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.