

**ANSI/BHMA A156.26 – 2006**  
**American National Standard for Continuous Hinges**

This standard establishes requirements for architectural continuous hinges used in building construction. Cycle, finish, abuse, overload, vertical wear, and strength tests are included.

Illustrations are provided for: Barrel Type Hinge - Edge Mount; Gear Type Hinge - Edge Mount; Barrel Type Hinge - Half Surface; Gear Type Hinge - Half Surface; Barrel Type - Half Edge Mount; Gear Type Hinge - Half Edge Mount; Barrel Type Hinge-Half Surface ¾ in. Offset; Raised Barrel Type Hinge; Barrel Type Hinge - Full Surface; Gear Type Hinge - Full Surface; Barrel Type-Swing Clear; Geared Type Hinge-Swing Clear; Gage Block Method for Measuring Vertical Wear; Standard Method for Measuring Lateral Wear; and Cycle Test Fixture.

Sample test values (under laboratory conditions). Please note that the full standard includes all tests:

| TEST   | Grade 1                                    | Grade 2                                    | Grade 3                                     |
|--|--|--|---|
| Test Door Weight Cycle Requirements (150lbs) | 2,500,000                                  | 1,500,000                                  | 350,000                                     |
| Abuse Test Requirements                      | Gr. 2 requirements + 2 blows of 150 lbf ft | Gr. 3 requirements + 2 blows of 120 lbf ft | 2 blows of 60 lbf ft + 2 blows of 90 lbf ft |
| Vertical Wear Requirements (maximum)         | .020 in (0.05 mm)                          |  |   |

Sample Illustrations:

**Figure 1: Barrel Type Hinge — Edge Mount**

**Figure 2: Gear Type Hinge — Edge Mount**

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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](http://www.buildershardware.com).

