

# Testing & Certifications

Hardware Resources is committed to providing the highest quality products to our customers, products that give a lifetime of consistent, reliable performance through:

- Extensive field testing with our products in the hands of real customers using them in the most challenging real-world applications
- Ensuring that our products meet the required standards set forth by national institutions, such as ANSI and the Architectural Woodwork Institute (AWI)
- Rigorous third-party testing and certification

Throughout our catalog you will see references to various certifications including ANSI/BHMA and the Architectural Woodwork Institute (AWI). These are some of the most common ratings and their meanings:

For cabinet hinges:

<b>ANSI/BHMA Hinge Grade</b>	<b>Door Weight</b>	<b>Permanent Set Test Load</b>	<b>Cycle Test Rating</b>
Grade 1	40 ± 1/2 lb	160 lbf	100,000 cycles
Grade 2	12 ± 1/2 lb	75 lbf	50,000 cycles
Grade 3	6 ± 1/2 lb	75 lbf	25,000 cycles

For drawer slides:

<b>ANSI/BHMA Slide Grade</b>	<b>Static Load Weight</b>	<b>Cycle Test Rating</b>
Grade 1	75 lb	50,000
Grade 2	50 lb	35,000
Grade 3	50 lb	25,000
1HD-100	100 lb	50,000

**Static Load Rating:** non-moving weight test with the specified weight over 24 hours.

**Dynamic Load Rating:** more robust test which includes a moving weight test with a specified weight over a set number of cycles.



sample hinge certification