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:

ANSI/BHMA Hinge Grade	Door Weight	Permanent Set Test Load	Cycle Test Rating
Grade 1	$40 \pm 1/2 \text{ lb}$	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:

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



INTEGRIT	Y TESTING LABORA	La As	Hardware Rosources Laboratory No. F2007311-3 August 12, 2020 Page 2 of 2	
		ATIONS AND RESULTS		
SAME PERSONNEL		NMA A196,9-15-GRADE 2 NBITION: NEW - SAMPLES TES	FFR bit H - tower 1 Wh	
LABORATORY DETERMINATION	LABORATORY ORNERVATION	ANSERIMA AIRCO-IS GRADE 2 REQUIREMENT	TEST RESULT	
Hoge Personnel Set York 2004's Service 4.2	Version Octoolies - 8.665*	OMET maximum vertical deflector after TV In test lead.	PASS	
Hings Operating Life Cycle Test BBMA Series 4.3	Verland Delleroine = 8.629* 1885,880 cycles completed	SSS maximum vertical deflexion other SQSSP cycles with 12 fb, use than	PANS	
Hoge Self Choing Force Test 180445 Section 6.4.2	Choing Force = 12 ex.	Free minimum closing faces.	PANS	
Hings Scif Civolng Sci. BBMS Section 6.4.3	Diver closed and remained closed from 10"	Hinger shall close door from 17' also 51,010-codes.	PANS	
Hings Over Opening Test BRIMA Section 4.4.4	Dear cleand and remained alread from Hr.	Hingo shall close door from 19' als 17-th, test lime.	PASS	
	ANSI	KCMA A16L1-12		
LABORATORY DETERMINATION	LABORATORY ORNERVATION	ANSPECNA ASSESSED REQUIREMENT	TEST RESULT	
Deer Racking and Hings Permanent Set Test Socients J	Versal Defection = 6.009*	SMP meximum vertical different other 65 th test lead.	PASS	
Hings Operating Life Cycle Test Section 6.2	Vertical Deflection = 6.821* 1893/89 cycles completed	6.003° maximum vertical deflection after 25,000 epoles.	PASS	
tructural breakage or t	failure. This sumple submit	CONCLENSON he model 700.00073.05 bling tod for testing met all of the h 2 products, and conforms to A	inge test requirements as	
		esch, Liberatory Manager LY TESTING LABORATORIE	s	

sample hinge certification

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.