Buckstaff Testing Standards

CHAIRS

2 Test Methods:
Both have Static (strength), Dynamic (impact), and Durability (fatigue) tests.

ANSI/BIFMA X5.1

Tests are done in any sequence, and a new chair can be used for each test.

STATIC LOADS	DYNAMIC LOADS	ENDURANCE
Back Strength	Drop Test	Seat impact(cyclic)
Arm Strength		Back Durability
Leg Strength		Arm Durability

ISO 7173

Tests are done in sequence. All tests are done on one chair. Graduated level testing.

STATIC LOADS	DYNAMIC LOADS	ENDURANCE
Seat Static	Seat Impact	Seat Fatigue
Back Static	Back Impact	Back Fatigue
Arm Static	Arm Impact	
Leg Static	Drop Test	

LOUNGES

GSA TEST - FNAE 80-214a

We do “heavy duty” testing.

Seat Load Test - 8 sets of 25,000 cycles, increasing forces	413#	200,000 cycles
Backrest Foundation Test - 9 sets of 25,000 cycles	150#	225,000 cycles
Backrest Frame Test - 4 sets of 25,000 cycles	150#	100,000 cycles
Sidethrust Load Test –Arm - 7 sets of 25,000 cycles	200#	175,000 cycles
Sidethrust Load Test-Leg - 4 sets of 25,000 cycles	350#	100,000 cycles
Front to Back Load Test-Legs 4 sets of 25,000 cycles	300#	100,000 cycles

CAL133 - several models tested and passed

ANSI/BIFMA X5.7-1991, SECTION 5.4, REPORT ON VOLUNTARY UPHOLSTERED FURNITURE FLAMMABILITY STANDARD FOR NON-RESIDENTIAL, NON-LIVE-IN OCCUPANCIES.

All models pass.

SHELVING

Double face units tested to **LIBRARY TECHNOLOGY REPORTS PERFORMANCE STANDARDS FOR SINGLE-TIER STEEL BRACKET SHELVING.**

Various tests.

TABLES AND CARRELS

Tested by Independent laboratory and certified to conform to **ASTM 1286 STANDARD FOR OFFICE FURNISHINGS.**

POLYFOAM AND FABRIC

Certified by vendors to meet California Technical Bulletins 116 and 117.