

BIFFMA TEST REPORT

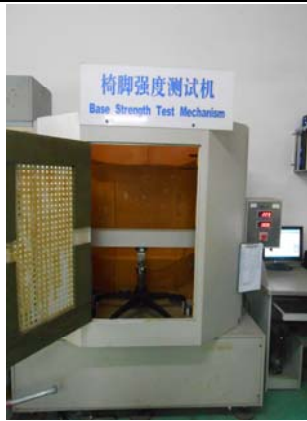
SONGLIN Test Report: SL03142015
 Test Report Date: 03/14/2015 Test Start Date: 02/27/2015
 Sample Receipt Date: 02/27/2015 Test Completion Date: 03/13/2015
 Identification / Type No.: EXECUTIVE CHAIR / SL-F9
 Test specification: General Office Chair (BIFMA X5.1 2011)

Test Results cont:

Attribute	Test Method/Standard	Requirement / Limit	Results
Base test - static	BIFMA X5.1-2011 Clause 7	No sudden and major change in the structural integrity after 11,120 N (2500 lb) compression for 1 min. The weight is then removed and reapplied for 1 min. The center column may not touch the test platform during load applications.	Pass
Drop test - dynamic - functional load	BIFMA X5.1-2011 Clause 8	No structural breakage or loss of serviceability when 445 N (100 lb) for 1 min. Is applied horizontally outward to the armrest at the most forward point of the armrest.	Pass
Drop test - dynamic - proof load	BIFMA X5.1-2011 Clause 8	No sudden and major change in the structural integrity (loss of serviceability is acceptable) when 136kg (300 lb) free falls from 6 In. height to the center of the seat.	Pass
Arm strength test - vertical - static - functional load	BIFMA X5.1-2011 Clause 13 (modified)	No structural breakage or loss of serviceability when 890 N (200 lb) for 1 min. Is applied. The vertical load is uniformly applied through a 5 In. area at the apparent weakest point.	Pass
Arm strength test - vertical - static - proof load	BIFMA X5.1-2011 Clause 13 (modified)	No sudden and major change in the structural integrity (loss of serviceability is acceptable) when 1334 N (300 lb) for 1 min. is applied. The vertical load is uniformly applied through a 5 In. area at the apparent weakest point.	Pass

Arm strength test - horizontal - static - functional load	BIFMA X5.1-2011 Clause 14	No structural breakage or loss of serviceability when 445 N (100 lb) for 1 min. Is applied horizontally outward to the armrest at the most forward point of the armrest.	Pass
Arm strength test - horizontal - static - proof load	BIFMA X5.1-2011 Clause 14	No sudden and major change in the structural integrity (loss of serviceability is acceptable) when 667 N (150 lb) for 1 min. is applied horizontally outward to the armrest at the most forward point of the armrest.	Pass
Backrest durability test - cyclic - type i	BIFMA X5.1-2011 Clause 15	No structural breakage or loss of serviceability in 120,000 cycles with 102 kg (225 lb) in the center of the seat and 445 N(100 lb.) applied to the chair back at 90°to the plane of the back. For chairs with a back width greater than 16 in at the height of loading perform 80,000 cycles. Reposition the load 4 in. to the right of the vertical centerline. If using a cable pulley system, 30 in. minimum from the attachment point to the pulley. Apply the load for 20,000 cycles. Then, reposition the load 4 in. to the left of the vertical centerline. If using a cable pulley system, 30 in. minimum from the attachment point to the pulley. Apply the load for 20,000 cycles. (For chairs with tilt mechanisms that lock see Sect. 4 for classification change.)	Pass
Pedestal base chair - caster / chair base durability test cyclic	BIFMA X5.1-2011 Clause 17	No structural failure or loss of service after 2,000 cycles over a hard surface with 3 obstacles and 98, 000 cycles over a smooth hard surface without obstacles (30 In. forward / backward stroke min.) Under a (225 lb) 113kg (250lbs) load in the seat. After completion of the cycling, apply a 5 lb force to each caster, in line with the caster stem. The caster shall not separate.	Pass

Test Photos:



Clause 7



Clause 7



Clause 8



Clause 8



Clause 13



Clause 14



Clause 15



Clause 17

*** End of test report ***